



1.1.1.

The Institution ensures effective curriculum delivery through a well planned and documented process

2. Teaching Plan

Academic Year: 2020-21

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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar



Department of Marathi
Teaching Plan
Academic Year: 2020-21



Class: FYBA

Subject: MARATHI

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I मराठी साहित्य : कथा आणि भाषिक कौशल्यविकास						
June	3					
	4					
July	1	कथा	स्वरूप	4	Lecture	Ref. Book
	2	कथा	घटक	4	Lecture	Ref. Book
	3	कथा	रचनाप्रकार	4	Lecture	Ref. Book
	4	कथा	प्रवाह	4	Lecture	Ref. Book
August	1	पाठ्यपुस्तक : समकालीन कथा	कथा क्रं. १. जेव्हा मी जात चोरली होती - बाबुराव बागुल कथा क्रं. २. लाल चिखल - भास्कर चंदनशिव	4	Lecture	Textbook

	2	पाठ्यपुस्तक : समकालीन कथा	कथा क्र. ३. पाऊस आला मोठा - गौरी देशपांडे कथा क्र. ४. उठावण - सदानंद देशमुख	4	Lecture	Textbook
	3	पाठ्यपुस्तक : समकालीन कथा	कथा क्र. ५. बाजा - उषाकिरण आत्राम कथा क्र. ६. दगड दवाखाना - राजेंद्र मलोसे	4	Lecture	Textbook
	4	पाठ्यपुस्तक : समकालीन कथा	कथा क्र. ७. वापसी - अभिराम भडकमकर कथा क्र. ८. शुभमंगल सावधान - संजय कळमकर	4	Lecture	Textbook
September	1	पाठ्यपुस्तक : समकालीन कथा	कथा क्र. ९. कष्टाची भाकरी - सचिन पाटील	2	Lecture	Textbook
	2	भाषिक कौशल्यविकास	आकलनासह श्रवण	4	Lecture/PPT	Ref. Book/ e-content
	3	अर्जित	संभाषण, वाचन,	4	Lecture/PPT	Ref. Book/ e-content
	4	अर्जित	लेखन, संवाद	4	Lecture/PPT	Ref. Book/ e-content
October	1	प्रगत	सारांशलेखन,	4	Lecture/PPT	Ref. Book/ e-content
	2	प्रगत	सारग्रहण	2	Lecture/PPT	Ref. Book/ e-content
	3					
	4					
December	1	एकांकिका	स्वरूप	4	Lecture	Ref. Book

	2	एकाकिका	घटक	4	Lecture	Ref. Book
	3	एकाकिका	संहितामूल्य	4	Lecture	Ref. Book
	4	एकाकिका	प्रयोगमूल्य	4	Lecture	Ref. Book
January	1	विठ्ठल तो आला आला	विश्लेषण	4	Lecture/PPT	Ref. Book/ e-content
	2	विठ्ठल तो आला आला	विश्लेषण	4	Lecture/PPT	Ref. Book/ e-content
	3	हंडाभर चांदण्या	विश्लेषण	4	Lecture/PPT	Ref. Book/ e-content
	4	हंडाभर चांदण्या	विश्लेषण	4	Lecture/PPT	Ref. Book/ e-content
February	1	भाषा उपयोजनाची विविध आविष्कार अंगे	संवाद लेखन	4	Lecture	Ref. Book
	2	भाषा उपयोजनाची विविध आविष्कार अंगे	कल्पना विस्तार	4	Lecture	Ref. Book
	3	भाषा उपयोजनाची विविध आविष्कार अंगे	घोषवाक्य लेखन	4	Lecture	Ref. Book
	4	भाषा उपयोजनाची विविध आविष्कार अंगे	भाषांतर	4	Lecture	Ref. Book

Signature of the Teacher

Department of Marathi
Arts, Science and Commerce College, Kolhar



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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar



Department of Marathi
Teaching Plan
Academic Year: 2020-21



Class: SYBA G-2 Subject: MARATHI

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I भाषिक कौशल्यविकास आणि आधुनिक मराठी साहित्यप्रकार: कादंबरी (CC-1C (3))						
June	3					
	4					
July	1	अ भाषिक कौशल्यविकास	संगणक आणि मोबाईलवर युनिकोडमधून मराठी मुद्रण	4	Lecture	Ref. Book
	2	भाषिक कौशल्यविकास	कळफलक प्रकार : इन्स्क्रिप्ट, फोनेटीक	4	Lecture	Ref. Book
	3	भाषिक कौशल्यविकास	मराठी टंकलेखन आणि युनिकोडचा वापर : गुगल इनपुट, मायक्रोसॉफ्ट इनपुट व इतर साधने.	4	Lecture	Ref. Book
	4	ब कादंबरी	स्वरूप आणि घटक	4	Lecture	Ref. Book
August	1	कादंबरी	प्रकार आणि वाटचाल	4	Lecture	Textbook
	2	अभ्यासपुस्तक	'रारंग दांग' या कादंबरीचा	4	Lecture	Textbook

		रारंग ढांग - प्रभाकर पेंढारकर	विषय			
	3	रारंग ढांग ' या कादंबरीचे कथानक	विषय	4	Lecture	Textbook
	4		'आशयसूत्रे	4	Lecture	Textbook
September	1	रारंग ढांग' या कादंबरीतील व्यक्तिरेखा	नायक विश्वनाथ याचा परिचय	4	Lecture	Textbook
	2		पुरुष पात्रे	4	Lecture	Textbook
	3		स्त्रिपात्रे	4	Lecture	Textbook
	4	रारंग ढांग' या कादंबरीतील वातावरण	स्थल-काळ,निसर्ग,	4	Lecture	Textbook
October	1	रारंग ढांग' या कादंबरीचे मूल्यमापन	निवेदन आणि भाषा	4	Lecture	Textbook
	2		'रारंगढांग' या शीर्षकाची समर्पकता	4	Lecture	Textbook
	3					
	4					
December	1	गुगल साधनांचा अध्ययनातील वापर	गुगल फॉर्म, गुगल क्लासरूम, यु ट्यूब	4	Lecture/PPT	Ref. Book
	2	ललितगद्य	स्वरूप	4	Lecture/	Ref. Book
	3	ललितगद्य	घटक	4	Lecture	Ref. Book
	4	ललितगद्य	प्रकार आणि वाटचाल	4	Lecture	Ref. Book
January	1	अभ्यासपुस्तक साहित्यरंग	1.गंधर्वित्र : शांता शेळके	4	Lecture/	Textbook
	2		2. परिनिवृत्त : 'विद्याभास्कर' मणिशंकर उपाध्याय :शरद पाटील	4	Lecture	Textbook
	3		3. अरण्यो : मारुती चितमपल्ली	4	Lecture	Textbook

	4	४. शब्दभ्रम, अर्थभ्रम : द. भि. कुळकर्णी	4	Lecture	Textbook
February	1	५. कोरडी भिक्षा : श्रीनिवास विनायक कुलकर्णी	4	Lecture	Textbook
	2	६. सहावे सुख : यशवंत पाटणे	4	Lecture	Textbook
	3	७. तुझ्या नादानं पाहिली तुझीच रे पंढरी.... जयंत पवार	4	Lecture	Textbook
	4	८. ह्या न्हैच्या पैलतडी.... प्रवीण दशरथ बांदेकर	4	Lecture	Textbook
March	1	9. आणि बुद्धाचा जन्म होतो : मनोज बोरगावकर	4	Lecture	Textbook
	2	१०. पाखरं : संध्या रंगारी	4	Lecture	Textbook
	3				
	4				


Signature of the Teacher


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Department of Marathi
Teaching Plan
Academic Year: 2020-21



Class: SYBA SP-1 Subject: MARATHI

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I आधुनिक मराठी साहित्य : प्रकाशवाटा [DSE 1 A (3)]						
June	3					
	4					
July	1	आत्मचरित्र	संकल्पना, स्वरूप	4	Lecture	Ref. Book
	2	आत्मचरित्र	प्रेरणा आणि वाटचाल	4	Lecture	Ref. Book
	3	ललित गद्यातील अन्य साहित्यप्रकारांच्या तुलनेत आत्मचरित्राचे वेगळेपण	आत्मचरित्र आणि कथा, कविता	4	Lecture	Ref. Book
	4	आत्मचरित्राचे वेगळेपण	आत्मचरित्र आणि कादंबरी, नाटक	4	Lecture	Ref. Book
August	1	अभ्यासपुस्तक-प्रकाशवाटा	१. 'मॅगसेसे'चा आनंद २. आनंदवनातले दिवस	4	Lecture	Textbook
	2	अभ्यासपुस्तक-प्रकाशवाटा	३. आनंदवनावाहेरच्या जगात ४. मुक्काम हेमलकसा	4	Lecture	Textbook

	3	अभ्यासपुस्तक-प्रकाशवाटा	५. अखेर हेमलकशानं स्वीकारलं! ६. कसोटीचे प्रसंग	4	Lecture	Textbook
	4	अभ्यासपुस्तक-प्रकाशवाटा	७. विस्तारती वैद्यकीय सेवा ८. जिवावरचे प्रसंग	4	Lecture	Textbook
September	1	अभ्यासपुस्तक-प्रकाशवाटा	९. शाळेची सुरुवात १०. अनोखे प्रयोग	4	Lecture	Textbook
	2	अभ्यासपुस्तक-प्रकाशवाटा	११. प्राण्यांचं 'गोकुळ' १२. पुढची पिढी	4	Lecture	Textbook
	3	अभ्यासपुस्तक-प्रकाशवाटा	१३. समाजमान्यता १४. जगन्नाथाचा रथ	4	Lecture	Textbook
	4	अभ्यासपुस्तक-प्रकाशवाटा	१५. समारोप	4	Lecture	Textbook
October	1	अभ्यासपुस्तक-प्रकाशवाटा	वाढ; मयीन मूल्यमापन	4	Lecture	Textbook
	2		वाढ; मयीन मूल्यमापन	4	Lecture	Textbook
	3					
	4					
December	1	मध्ययुगीन गद्य	महानुभावीय गद्य, बखर,	4	Lecture	Ref. Book
	2	मध्ययुगीन गद्य	ऐतिहासिक पत्रे स्वरूप आणि विशेष	4	Lecture	Ref. Book
	3	मध्ययुगीन पद्य	अभंग, भारूड, गवळण,	4	Lecture	Ref. Book
	4	मध्ययुगीन पद्य	पोवाडा, लावणी; स्वरूप आणि विशेष	4	Lecture	Ref. Book
January	1	अभ्यासपुस्तक निवडक मध्ययुगीन गद्य, पद्य	१. आऊ स्वान हननी सिकापन २. माहादइसाचे धीडरें आरोगणे ३. नरींद्रबासां भेटि : अनुसरणे.	4	Lecture/PPT	Textbook

		निवडक मध्ययुगीन गद्य, पद्य	एकमेकां संबंधु जाला. ६. धारा - दामोदर ७. श्रीकृष्णमूर्तिवर्णन ८. वृंदावन वर्णन.			
	3	अभ्यासपुस्तक निवडक मध्ययुगीन गद्य, पद्य	९. हौ कां कस्तुरी काळी. १०. शांति क्षमा दया ११. घनु वाजे घुणघुणा.. १२. अवघाचि संसार	4	Lecture/PPT	Textbook
	4	अभ्यासपुस्तक निवडक मध्ययुगीन गद्य, पद्य	१३. विठो माझा लेकरवाळा १४. ऊस डोंगा परी रस नव्हे डोंगा १५. हंबरोनी येती १६. देवा तुझा मी सोनार	4	Lecture/PPT	Textbook
February	1	अभ्यासपुस्तक निवडक मध्ययुगीन गद्य, पद्य	१७. कांदा मुळा भाजी. १८. विंचू चावला वृश्चिक चावला. १९. कन्या सासुन्यासी जाये. २०. संत कृपा झाली	4	Lecture/PPT	Textbook
	2	अभ्यासपुस्तक निवडक मध्ययुगीन गद्य, पद्य	२१. प्रत्ययाचे ज्ञान तेंचि तें प्रमाण २२. जैसी हरळांमाजी रत्नकिळा. २३. नगर रक्षावयाकारणे.. २४. म्हणे भरत हा राम.	4	Lecture/PPT	Textbook
	3	अभ्यासपुस्तक निवडक मध्ययुगीन गद्य, पद्य	२५. सुंदरा मनामधी भरली २६. लटपट लटपट २७. बिकट वाट वहिवाट नसावी.. २८. एक गड घेतला परंतु एक गड गेला..	4	Lecture/PPT	Textbook

	4	अभ्यासपुस्तक निवडक मध्ययुगीन गद्य, पद्य	२९. इब्राहिमखान व भाऊसाहेब यांचा पराक्रम व शेवट..... ३०. छत्रपती शिवाजी महाराजांचे पत्र	4	Lecture/PPT	Textbook
March	1	परिशिष्टे	१.महानुभाव वाङ्मय २.संत वाङ्मय	4	Lecture	Textbook/ Ref. Book
	2	परिशिष्टे	३.पंडित, शाहीर, बखर आणि ऐतिहासिक गद्य	4	Lecture	Textbook/ Ref. Book
	3					
	4					


Signature of the Teacher


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Department of Marathi
Teaching Plan
Academic Year: 2020-21



Class: SYBA SP-2 Subject: MARATHI

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester – I साहित्यविचार [DSE 1 B(3)]						
June	3					
	4					
July	1	साहित्याचे स्वरूप	१. साहित्याची संकल्पना (भारतीय, पाश्चात्यांच्या व्याख्या),	4	Lecture	Ref. Book
	2	साहित्याचे स्वरूप	साहित्यातील अनुभवाचे विशेष : वास्तव आणि कल्पित यांचा संबंध, संवेदनात्मकता, भावनात्मकता, वैचारिकता, सेन्द्रीयत्व, सूचकता, विशिष्ट आणि विश्वात्मकता	4	Lecture	Ref. Book
	3	२. प्रयोजन म्हणजे	मम्मटाची प्रयोजने:	4	Lecture	Ref. Book

		काय?				
	4	२. प्रयोजन म्हणजे काय?	तसेच इच्छापूर्ती, जिज्ञासातृप्ती, विरचन, आत्माविष्कार, अनुभवविश्वाची संपूर्ण, स्वप्नजन, उद्बोधन, प्रचार, मनोरंजन, आनंद या प्रयोजनांचा विचार	4	Lecture	Ref. Book
August	1	साहित्याची निर्मितीप्रक्रिया	प्रतिभा, स्फूर्ती, यांचे स्वरूप, संकल्पना आणि कार्य;	4	Lecture	Ref. Book
	2	साहित्याची निर्मितीप्रक्रिया	कल्पना, चमत्कृती यांचे स्वरूप, संकल्पना आणि कार्य;	4	Lecture	Ref. Book
	3	साहित्यिकाचे व्यक्तिमत्त्व	संवेदनक्षमता, जैशब्दवृत्ती, अनुभवसंपूर्ण व विद्वत्ता,	4	Lecture	Ref. Book
	4	साहित्यिकाचे व्यक्तिमत्त्व	साहित्यिकाचा जीवनविषयक आणि साहित्य विषयक दृष्टिकोन.	4	Lecture	Ref. Book
	1	साहित्याची सामाजिकता	१. साहित्य आणि समाज, जीवनमूल्ये आणि साहित्य मूल्ये,	4	Lecture	Ref. Book
September	2	साहित्याची सामाजिकता	साहित्यवाचनाची प्रक्रिया व आवश्यकता	4	Lecture	Ref. Book
	3	साहित्याची भाषा	२. साहित्याची भाषा : शब्दांशांचा चक्रव्यापार	4	Lecture	Ref. Book
	4	साहित्याची भाषा	चक्रोक्ती, अलंकार,	4	Lecture	Ref. Book

			प्रतिमा, प्रतीक, प्राक्कथा			
October	1	शैली विषयक स्थूल चर्चा	३. शैली विषयक स्थूल चर्चा -	4	Lecture	Ref. Book
	2	शैली विषयक स्थूल चर्चा-	लेखक, आगय, साहित्यप्रकार या अनुसंधाने चर्चा	4	Lecture	Ref. Book
	3					
	4					
December	1	• समीक्षा : संकल्पना आणि स्वरूप	१. समीक्षा : संकल्पना, स्वरूप आणि प्रयोजन	4	Lecture	Ref. Book
	2	• समीक्षा : संकल्पना आणि स्वरूप	२. समीक्षा : व्याप्ती आणि प्रकार	4	Lecture	Ref. Book
	3	• समीक्षा : संकल्पना आणि स्वरूप	३. साहित्यविचार आणि समीक्षा यातील अनुबंध	4	Lecture	Ref. Book
	4	• समीक्षा : संकल्पना आणि स्वरूप	४. साहित्यव्यवहारातील समीक्षेचे स्थान व कार्य	4	Lecture	Ref. Book
January	1	• साहित्य आणि समीक्षा यांचे परस्पर संबंध	१. साहित्यकृती आणि वाचक	4	Lecture	
	2	• साहित्य आणि समीक्षा यांचे परस्पर संबंध	२. साहित्यकृती आणि समीक्षक	4	Lecture	Ref. Book
	3	• साहित्य आणि समीक्षा यांचे परस्पर संबंध	३. समीक्षेतील साहित्याच्या आकलन, आस्वाद, यांचे स्थान व कार्य	4	Lecture	Ref. Book
	4	• साहित्य आणि समीक्षा यांचे परस्पर	समीक्षेतील, विश्लेषण, अर्थनिर्णयन.	4	Lecture	Ref. Book

		संबंध	मूल्यमापन आणि शब्दांकन यांचे स्थान व कार्य			
February	1	• समीक्षकाचे गुण व पाळावयाची पथ्ये १. समीक्षकाचे गुण :	रसिकता, प्रज्ञा, तुलनात्मकता, चिकित्सकता,	4	Lecture	Ref. Book
	2	१. समीक्षकाचे गुण :	मूल्यविवेक, विश्लेषकता, व्युत्पन्नता, तुलनात्मकता	4	Lecture	Ref. Book
	3	२. समीक्षकाने पाळावयाची पथ्ये :	समीक्षाविषयाचे अवधान व तारतम्य, निकषाचे तारतम्य, व्यक्तिनिष्ठता व वस्तुनिष्ठता यांचे तारतम्य, मांडणी व शैली यांचे तारतम्य.	4	Lecture	Ref. Book
	4	समीक्षकाने पाळावयाची पथ्ये	संगती व समुन्नता यांचे भान, नेमकेपणा व तार्किकता या संबंधीचा विवेक, वाङ्मयीन मूल्ये व जीवनमूल्ये यांचा परस्परसंबंध आणि त्यांच्या वापराबाबत करावयाचा विवेक.	4	Lecture	Ref. Book
March	1	मूल्यव्यवहार	३ भाषिक, साहित्यिक, सांस्कृतिक संकेत आणि मूल्यव्यवहार	4	Lecture	Ref. Book
	2	४. उपयोजित समीक्षा	ग्रंथ परिचय, ग्रंथ परीक्षण, ग्रंथ समीक्षा	4	Lecture	Ref. Book

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Class: SYBA SEC Subject: MARATHI

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester – I प्रकाशनव्यवहार आणि संपादन [SEC 2 A (2)]						
June	3					
	4					
July	1	प्रकाशन संस्था	स्वरूप, कार्यप्रणाली, कॉपीराईट	2	Lecture	Ref. Book
	2	प्रकाशन संस्था	कायद्याची तोंडओळख, ग्रंथविक्री,	2	Lecture	Ref. Book
	3	प्रकाशन संस्था	वितरण, जाहिरात, वाचकसंवाद	2	Lecture	Ref. Book
	4	ग्रंथनिर्मिती प्रक्रिया	ग्रंथ प्रकार: ललित, माहितीपर	2	Lecture	Ref. Book
August	1	ग्रंथनिर्मिती प्रक्रिया	शास्त्रीय, संदर्भग्रंथ	2	Lecture	Ref. Book
	2	ग्रंथनिर्मिती प्रक्रिया	: संहिता संपादन,	2	Lecture	Ref. Book
	3	ग्रंथनिर्मिती प्रक्रिया	संपादकीय संस्कार,	2	Lecture	Ref. Book

	4	ग्रंथनिर्मिती प्रक्रिया	लेखक संवाद, मुखपृष्ठ, मुद्रणप्रत,	2	Lecture	Ref. Book
September	1	ग्रंथनिर्मिती प्रक्रिया	छपाई, ग्रंथ बांधणी	2	Lecture	Ref. Book
	2	मुद्रितशोधन	लेखनविषयक नियम,	2	Lecture	Ref. Book
	3	मुद्रितशोधन	मुद्रितशोधन खुणा, विरामचिन्हे, अवतरणे, संक्षेप,,	2	Lecture	Ref. Book
	4	मुद्रितशोधन	मजकुराची मांडणी, चित्र रेखाटन योजना	2	Lecture	Ref. Book
October	1	मुद्रितशोधन	सूची, संदर्भग्रंथसूची	2	Lecture	Ref. Book
	2	मुद्रितशोधन	परिशिष्टे, दर्शनीय स्वरूप, आकार	2	Lecture	Ref. Book
	3					
	4					
November	1					
	2					
	3					
	4					
December	1	१. जाहिरातलेखन	प्रयोजन,	2	Lecture	Ref. Book
	2		स्वरूप, प्रकार,	2	Lecture	Ref. Book
	3		विविध माध्यमातोल जाहिरातीचे स्थान,	2	Lecture	Ref. Book
	4		जाहिरात कल्पना आणि संहितालेखन,	2	Lecture	Ref. Book
January	1		इंटरलेट (माहिती महाजाल)	2	Lecture	
	2		जाहिरात आणि संहितालेखन	2	Lecture	Ref. Book
	3	मुलाखतलेखन	वृत्तपत्रे, नियतकालिके	2	Lecture	Ref. Book

	4		दृकवाच्य माध्यमांसाठी मुलाखतलेखन	2	Lecture	Ref. Book
February	1	माहितीपर नोदी	शाखीय ज्ञानकोश, विविध प्रकारचे ज्ञानकोश	2	Lecture	Ref. Book
	2		नोंदलेखन,	2	Lecture	Ref. Book
	3		विविध माध्यमांसाठी नोंद लेखन,	2	Lecture	Ref. Book
	4		प्रात्यक्षिके	2	Lecture	Ref. Book
March	1		प्रात्यक्षिके	2	PPT	Ref. Book
	2		प्रात्यक्षिके	2	PPT	Ref. Book
	3		प्रात्यक्षिके	2	PPT	Ref. Book
	4					


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Class: SYBA MIL Subject: MARATHI

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Semester – I मराठी भाषिक संज्ञापनकौशल्ये [MIL 2 (2)]						
June	3					
	4					
July	1	भाषा आणि व्यक्तिमत्व विकास	व्यक्तिमत्व	2	Lecture	Ref. Book
	2	भाषा आणि व्यक्तिमत्व विकास	व्यक्तिमत्वविकासातील घटक	2	Lecture	Ref. Book
	3	भाषा आणि व्यक्तिमत्व विकास	भाषा आणि व्यक्तिमत्व विकास: सहसंबंध	2	Lecture	Ref. Book
	4	भाषा आणि व्यक्तिमत्व विकास	भाषा आणि व्यक्तिमत्व विकास	2	Lecture	Ref. Book
August	1	लोकशाहीतील जीवन	लोकशाहीतील जीवन	2	Lecture	Ref. Book

		व्यवहार आणि प्रसार माध्यमे	व्यवहार			
	2	लोकशाहीतील जीवन व्यवहार आणि प्रसार माध्यमे	प्रसार माध्यमे	2	Lecture	Ref. Book
	3	लोकशाहीतील जीवन व्यवहार आणि प्रसार माध्यमे	लोकशाहीतील जीवन व्यवहार आणि प्रसार माध्यमे	2	Lecture	Ref. Book
	4	प्रसारमाध्यमांसाठी लेखन	प्रसारमाध्यमांसाठी लेखन	2	Lecture	Ref. Book
September	1	प्रसारमाध्यमांसाठी लेखन	1. वृत्तपत्रासाठी बातमी लेखन आणि मुद्रितशोधन.	2	Lecture	Ref. Book
	2	प्रसारमाध्यमांसाठी लेखन	1. वृत्तपत्रासाठी बातमी लेखन आणि मुद्रितशोधन.	2	Lecture	Ref. Book
	3	प्रसारमाध्यमांसाठी लेखन	2.. नभोवाणीसाठी भाषणाची संहितालेखन	2	Lecture	Ref. Book
	4	प्रसारमाध्यमांसाठी लेखन	2.. नभोवाणीसाठी भाषणाची संहितालेखन	2	Lecture	Ref. Book
October	1	प्रसारमाध्यमांसाठी लेखन	3. दूरचित्रवाणीसाठी चित्रपटाचे संहितालेखन	2	Lecture	Ref. Book
	2	प्रसारमाध्यमांसाठी लेखन	3. दूरचित्रवाणीसाठी चित्रपटाचे संहितालेखन	2	Lecture	Ref. Book
	3					
	4					
December	1	१. भाषा, जीवनव्यवहार समाजमाध्यमे	भाषा आणि जीवनव्यवहार,	2	Lecture	Ref. Book
	2	भाषा, जीवनव्यवहार समाजमाध्यमे	भाषा आणि नवमाध्यमे	2	Lecture	Ref. Book

	3	२. नवमाध्यमे आणि समाजमाध्यमांचे प्रकार	नवमाध्यमे आणि समाजमाध्यमांचे प्रकार	2	Lecture	Ref. Book
	4	नवमाध्यमे आणि समाजमाध्यमांचे प्रकार	: ब्लॉग	2	Lecture	Ref. Book
January	1	नवमाध्यमे आणि समाजमाध्यमांचे प्रकार	फेसबुक	2	Lecture	
	2	नवमाध्यमे आणि समाजमाध्यमांचे प्रकार	ट्विटर	2	Lecture	Ref. Book
	3	नवमाध्यमे आणि समाजमाध्यमांविषयक साक्षरता,	३. नवमाध्यमे	2	Lecture	Ref. Book
	4	नवमाध्यमे आणि समाजमाध्यमांविषयक साक्षरता	दक्षता	2	Lecture	Ref. Book
February	1	नवमाध्यमे	वापर	2	Lecture	Ref. Book
	2	नवमाध्यमे	परिणाम	2	Lecture	Ref. Book
	3	१. वेबसाईट आणि ब्लॉग, ट्विटरसाठी लेखन	वेबसाईट लेखन	2	Lecture	Ref. Book
	4	वेबसाईट आणि ब्लॉग, ट्विटरसाठी	ब्लॉग लेखन	2	Lecture	Ref. Book
March	1	वेबसाईट आणि ब्लॉग, ट्विटरसाठी	ट्विटरसाठी लेखन	2	PPT	Ref. Book
	2	२. व्यावसायिक पत्रव्यवहार	स्वरूप	2	PPT	Ref. Book
	3	व्यावसायिक पत्रव्यवहार	प्रकार	2	PPT	Ref. Book

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Class: TYBA G-3 Subject: MARATHI

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Semester - I आधुनिक मराठी साहित्य आणि व्यावहारिक व उपयोजित मराठी (२०१३ पॅटर्न)						
June	3					
	4					
July	1	घटक अ- ग्रंथ परीक्षण	ग्रंथ परीक्षणाचे स्वरूप	4	Lecture	Ref. Book
	2	ग्रंथ परीक्षण	ग्रंथ परीक्षणाचे घटक	4	Lecture	Ref. Book
	3	ग्रंथ परीक्षण	साहित्यप्रकारातील साहित्यकृतींचे परीक्षण	4	Lecture	Ref. Book
	4	घटक ब- निबंध : तात्त्विक विवेचन	निबंध या साहित्यप्रकाराचे स्वरूप व व्याख्या	4	Lecture	Ref. Book
August	1	निबंध : तात्त्विक विवेचन	० मराठीतील इतर साहित्यप्रकारांच्या तुलनेत निबंधाचे वेगळेपण	4	Lecture	Textbook

	2	निबंध : तात्त्विक विवेचन	निबंधाचे प्रकार आणि निबंध या साहित्यप्रकारामागील प्रेरणा व प्रयोजने	4	Lecture	Textbook
	3	क्रमिक पुस्तक विचारधारा	१. परभाषेतील शब्दांची योजना २. महाराष्ट्र नाना शंकरशेटना का विसरला?	4	Lecture	Textbook
	4	क्रमिक पुस्तक विचारधारा	३. संदेश ४. भूतकाळाच्या पारंब्या	4	Lecture	Textbook
September	1	क्रमिक पुस्तक विचारधारा	५. रविवार ६. चाळिशीचे घर	4	Lecture	Textbook
	2	क्रमिक पुस्तक विचारधारा	७. सुगंधाची कळ ८. श्री शिवाजी छत्रपती यांचे प्रबोधन व परिवर्तन	4	Lecture	Textbook
	3	क्रमिक पुस्तक विचारधारा	९. मराठी भाषेच्या उज्ज्वल भविष्यासाठी १०. विठ्ठल रामजींना महाराष्ट्र का विसरला ?	4	Lecture	Textbook
	4	क्रमिक पुस्तक विचारधारा	विचारधारा : मानवी जीवनाचे बलस्थान	4	Lecture	Textbook
December	1	घटक अ - प्रवासवर्णन : तात्त्विक विवेचन	प्रवासवर्णन या साहित्यप्रकाराचे स्वरूप व व्याख्या	4	Lecture/PPT	Ref. Book
	2	तात्त्विक विवेचन	इतर साहित्यप्रकारांच्या तुलनेत प्रवासवर्णनाचे वेगळेपण	4	Lecture/	Ref. Book
	3	तात्त्विक विवेचन	प्रवासवर्णन या साहित्य प्रकारामागील प्रेरणा व प्रयोजने	4	Lecture	Ref. Book
	4	घटक ब तात्त्विक विवेचन	प्रवासवर्णन साहित्यप्रकाराची वैशिष्ट्ये,	4	Lecture	Ref. Book

January	1	तात्त्विक विवेचन	प्रवासवर्णन साहित्यप्रकाराची व्याप्ती	4	Lecture/	Textbook
	2	तात्त्विक विवेचन	प्रवासवर्णन साहित्यप्रकाराची वाटचाल	4	Lecture	Textbook
	3	घटक क - प्रवासवर्णनसंग्रह 'देशविदेश'	१. झाशीवर हल्ला २. कळस आणि क्रूस चंडीगड तान्याकडे	4	Lecture	Textbook
	4	'देशविदेश'	३. कन्याकुमारी ४. करकरीत कोरे	4	Lecture	Textbook
February	1	'देशविदेश'	५. काश्मीर - भूलोकीचे नंदनवन ६. धुक्यातून लाल	4	Lecture	Textbook
	2	'देशविदेश'	७. भारतीय संस्कृती जपणारे आजोबा : श्री.सुझुकी ८. वॉशिंग्टन	4	Lecture	Textbook
	3	'देशविदेश'	९. स्वप्ननिळा मॉरिशस १०. बुजुर्ग, बुलंद-बैजिंग	4	Lecture	Textbook
	4	'देशविदेश'	वाढ;मयीन मूल्यमापन	4	Lecture	Textbook


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Department of Marathi
Teaching Plan
Academic Year: 2020-21



Class: TYBA SP-3 Subject: MARATHI

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I साहित्यविचार (२०१३ पॅटर्न)						
June	3					
	4					
July	1	१. साहित्याचे स्वरूप:-	१) शास्त्रीय साहित्य आणि ललित साहित्य यांमधील भेद	4	Lecture	Ref. Book
	2		२) साहित्याचे शब्दरूप	4	Lecture	Ref. Book
	3	साहित्यातून व्यक्त होणाऱ्या अनुभवांचे विशेष	वास्तव आणि कल्पित यांचा संबंध, संवेदनात्मकता भावनात्मकता वैचारिकता, सेंद्रियत्व, सूचकता, विशिष्ट आणि विश्वात्मकता	4	Lecture	Ref. Book
	4	२. साहित्याचे प्रयोजन:-	१) प्रयोजन म्हणजे काय? २) प्रयोजन आणि परिणाम यांमधील भेद	4	Lecture	Ref. Book

August	1	साहित्याची प्रयोजने	अ) मम्मटाची प्रयोजने ब) पाश्चात्यांची प्रयोजने:- इच्छापूर्ती जिज्ञासातृप्ती विरेचन आत्माविष्कार अनुभवविश्वाची समृद्धी स्वप्नरंजन- उद्बोधन-प्रचार-मनोरंजन-आनंद ४) या प्रयोजनांचा लेखक व वाचक तसेच कलावादी, जीवनवादी या दृष्टीने विचार	4	Lecture	Ref. Book
	2	३. साहित्याची निर्मितीप्रक्रिया:-	१) साहित्याच्या निर्मितीचे स्वरूप २) साहित्यनिर्मितीच्या शक्ती-१) प्रतिभा २) कल्पनाशक्ती ३) स्फूर्ती ३) प्रतिभाव्यापार व स्वप्नव्यापार ४) साहित्याची निर्मिती प्रक्रिया	4	Lecture	Ref. Book
	3	साहित्यिकाचे व्यक्तिमत्त्व	साहित्यिकाचे व्यक्तिमत्त्व १) संवेदनक्षमता २) शैशववृत्ती ३) अनुभव समृद्धी ४) विद्वत्ता ५) लेखकाचा जीवनविषयक दृष्टिकोण. ६) लेखकाचा साहित्यविषयक दृष्टिकोण.	4	Lecture	Ref. Book
	4	४. साहित्याची भाषा:-	१) व्यवहारभाषा, शास्त्रीय साहित्याची भाषा व साहित्याची भाषा यांच्यातील भेद	4	Lecture	Ref. Book
September	1	शब्दार्थाचा वकव्यापार	२) शब्दार्थाचा वकव्यापार	4	Lecture	Ref. Book
	2	भाषेचे नादरूप	३) भाषेचे नादरूप ४) अलंकार	4	Lecture	Ref. Book

	3	भाषेचे अलंकार	५) रूपक ६) प्रतिमा	4	Lecture	Ref. Book
	4	भाषेचे अलंकार	७) प्रतीक ८) प्राक्कथा	4	Lecture	Ref. Book
October	1	शैली विचार	१) लेखक तशी शैली २) आशय तशी शैली	4	Lecture	Ref. Book
	2	शैली विचार	३) साहित्यप्रकार तशी शैली.	4	Lecture	Ref. Book
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December	1	५. साहित्याचा आस्वाद:-	१) आस्वाद म्हणजे काय? २) आस्वाद प्रक्रिया	4	Lecture/PPT	Ref. Book
	2	साहित्याचा आस्वाद:-	३) आस्वादकाला आवश्यक असणारे गुण	4	Lecture/	Ref. Book
	3	साहित्याचा आस्वाद:-	४) आस्वादातील अडथळे	4	Lecture	Ref. Book
	4	६. साहित्याची सामाजिकता	१) साहित्य आणि समाज यांचे परस्परसंबंध	4	Lecture	Ref. Book
January	1	साहित्याची सामाजिकता	२) लेखकाची सामाजिकता ३) भाषेची सामाजिकता	4	Lecture/	Ref. Book
	2	साहित्याची सामाजिकता	४) कलात्मक अनुभवातील सामाजिकता ५) वाचकाची सामाजिकता	4	Lecture	Ref. Book
	3	साहित्याची सामाजिकता	६) साहित्यातील सामाजिकतेला वैश्विक रूप प्राप्त होते काय? ७) बांधीलकीची संकल्पना व साहित्यिकाची बांधीलकी.	4	Lecture	Ref. Book
	4	७. साहित्यिक	१) अभिरुची म्हणजे काय?	4	Lecture	Ref. Book

		अभिरुची	२) अभिरुची आणि सौंदर्यदृष्टी.			
	1	साहित्यिक अभिरुची		4	Lecture	Ref. Book
	2	साहित्यिक अभिरुची	३) अभिरुची आणि औचित्य, ४) अभिरुची भिन्नतेची कारणे.	4	Lecture	Ref. Book
February	3	साहित्यिक अभिरुची	५) अभिरुची नियत करणारे घटक सांस्कृतिक पर्यावरण, आर्थिक पर्यावरण, वाङ्मयीन पर्यावरण	4	Lecture	Ref. Book
	4	८. साहित्यप्रकाराची संकल्पना:-	१) साहित्याच्या वर्गीकरणाची शक्याशक्यता २) साहित्याच्या वर्गीकरणाची आवश्यकता	4	Lecture	Ref. Book
March	1	साहित्यप्रकाराची संकल्पना:-	३) साहित्याच्या वर्गीकरणाची तत्त्वे- माध्यमभिन्नता, प्रस्तुतीकरणाची पद्धती, प्रस्तुतीकर्त्याचा दृष्टिकोन व प्रस्तुतीकरणाचा काळ ४) साहित्याचे ठळक प्रकार कथा, कादंबरी, काव्य, नाटक	4	Lecture	Ref. Book
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Class: TYBA SP-4 Subject: MARATHI

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I साहित्यविचार (२०१३ पॅटर्न)						
June	3					
	4					
July	1	१. भाषेचे स्वरूप व कार्य-	भाषा एक सहज किया - भाषा एक अर्जित वस्तू - संज्ञापन : भाषेचे मुख्य कार्य संकेत भाषेचा आधार - शारीरिक आणि मानसिक क्रियांचा संयोग ध्वनिसंकेत चिन्ह आणि चिन्हित	4	Lecture	Ref. Book
	2	भाषेचे स्वरूप व कार्य-	संज्ञापनाची अन्य साधने: शरीरस्थित - संज्ञापनाची साधने: शरीरबाह्य भाषा हे सर्वश्रेष्ठ संज्ञापन साधन - संज्ञापनातील क्रिया प्रतिक्रिया मानवेतर प्राण्यांची भाषा	4	Lecture	Ref. Book
	3	भाषेचे स्वरूप व कार्य-	भाषा: एक सामाजिक संस्था भाषा आणि व्यक्तिस्वातंत्र्य भाषेच्या अभ्यासाची आवश्यकता.	4	Lecture	Ref. Book
	4	भाषेचे स्वरूप व कार्य-	भाषाअभ्यासाची अंगे, भाषाभ्यास पद्धती -	4	Lecture	Ref. Book

		कार्य-	वर्णनात्मक भाषाभ्यासपद्धती, ऐतिहासिक भाषाभ्यासपद्धती, तौलनिक भाषाभ्यासपद्धती, समाजभाषाभ्यासपद्धती			
August	1	२. स्वनविज्ञान आणि स्वननिर्मिती:-	यागिद्रियाची रचना व कार्ये स्वनविज्ञानाचे स्वरूप-स्वन निर्माण करणारी इंद्रिये- जिभेचे महत्त्व-	4	Lecture	Ref. Book
	2	स्वनविज्ञान आणि स्वननिर्मिती:-	स्वननिर्मितीची प्रक्रिया-मुखमार्ग, नासिकामार्ग आणि पडजीभ- दात आणि ओठ यांचे कार्य-तालुपटाची रचना व कार्य-	4	Lecture	Ref. Book
	3	स्वनविज्ञान आणि स्वननिर्मिती:-	स्वरांचे स्वरूप, लक्षणे व प्रकार-व्यंजनाचे स्वरूप लक्षणे व प्रकार	4	Lecture	Ref. Book
	4	स्वनविज्ञान आणि स्वननिर्मिती:-	स्वरांच्या वर्गीकरणाची तत्त्वे-स्वननिर्मितीमधील 'प्रयत्ना'चे स्वरूप,	4	Lecture	Ref. Book
September	1	३. स्वनिम विचार -	स्वनिम निश्चितीचे तत्त्वे	4	Lecture	Ref. Book
	2	स्वनिम विचार -	विनियोग संकल्पनेचा स्कूल परिचय,	4	Lecture	Ref. Book
	3	स्वनिम विचार -	स्वन, स्वनिम व स्वनांतर यामधील परस्परसंबंध,	4	Lecture	Ref. Book
	4	स्वनिम विचार -	मराठी स्वनिमव्यवस्थेची रूपरेषा, स्वरस्वनिम, अर्थस्वरस्वनिम, व्यंजनस्वनिम यांचे वर्गीकरण,	4	Lecture	Ref. Book
October	1	४ रूपिम विचार	रूपिमचे तत्व, रूपिका-रूपिम आणि रूपिकांतर यामधीलपरस्प रसंबंध,	4	Lecture	Ref. Book
	2	४ रूपिम विचार	रूपिकाचे प्रकार प्रकृति (धातू आणि प्रत्यय यांचे वर्गीकरण (आशयबोधक रूपिम व कार्यकारी रूपिम)	4	Lecture	Ref. Book
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December	1	५. वाक्यविचार	वाक्याचे घटक	4	Lecture/PPT	Ref. Book
	2	वाक्यविचार	वाक्यविन्यास संकल्पना आणि मराठीतील वाक्यविन्यास व्यवस्था,	4	Lecture/	Ref. Book
	3	६. अर्थविचार	अर्थविन्यास व मराठीतील त्याचे स्वरूप,	4	Lecture	Ref. Book
	4	अर्थविचार	अर्थ ही संकल्पना, अर्थाचे विविध प्रकार	4	Lecture	Ref. Book
January	1	७. ऐतिहासिक भाषाभ्यासपद्धती	सर विल्यम जोन्स यांचा सिद्धांत ऐतिहासिक	4	Lecture/	Ref. Book
	2	भाषाविज्ञानाचे स्वरूप	भाषाविज्ञानाचे स्वरूप कार्य, भाषाकुलाची संकल्पना भाषांचे वर्गीकरण	4	Lecture	Ref. Book
	3	भाषाकुले	जगातील प्रमुख भाषाकुले	4	Lecture	Ref. Book
	4	भाषाकुले	इंडो युरोपियन भाषाकुल आर्य भाषाकुल व मराठी	4	Lecture	Ref. Book
February	1		भाषा होतले यांचा अंतर बहिर् वर्तुळ सिद्धांत	4	Lecture	Ref. Book
	2	८. मराठी भाषेची उत्पत्ती-	मराठी भाषेची उत्पत्ती व त्यासंबंधीची साधने	4	Lecture	Ref. Book
	3	मराठी भाषेची उत्पत्ती-	मराठी भाषेच्या उत्पत्ती संबंधी विविध सिद्धांत	4	Lecture	Ref. Book
	4	मराठी भाषेची उत्पत्ती-	वैश-गुणे वाद,	4	Lecture	Ref. Book
March	1	मराठी भाषेची उत्पत्ती-	मराठीचे कालिक भेद	4	Lecture	Ref. Book
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Class: FYBCOM Subject: MARATHI

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I भाषा, साहित्य आणि कौशल्यविकास/ पाठ्यपुस्तक : उत्कर्षवाटा						
June	3					
	4					
July	1	निबंधलेखन	स्वरूप	4	Lecture	Ref. Book
	2	निबंधलेखन	वैचारिक	4	Lecture	Ref. Book
	3	निबंधलेखन	ललित	4	Lecture	Ref. Book
	4	निबंधलेखन	वाणिज्यविषयक	4	Lecture	Ref. Book
August	1	पाठ्यपुस्तक : उत्कर्षवाटा	कथा क्रं. १. सहकारी चळवळ शेती आणि सुधारणा	4	Lecture	Textbook
	2	पाठ्यपुस्तक : उत्कर्षवाटा	कथा क्रं. २. केली पण शेती	4	Lecture	Textbook
	3	पाठ्यपुस्तक : उत्कर्षवाटा	कथा क्रं. ३. ज्ञानयूगातील नेतृत्व	4	Lecture	Textbook
	4	पाठ्यपुस्तक :	कथा क्रं. ४. चला जरा काम करू	4	Lecture	Textbook

		उत्कर्षवाटा				
September	1	पाठ्यपुस्तक : उत्कर्षवाटा	कथा क्रं. ५. मन्वन्तर घडविणारी पत्रकारिता	4	Lecture	Textbook
	2	पाठ्यपुस्तक : उत्कर्षवाटा	कथा क्रं. ६. शरद जोशी यांचे योगदान	4	Lecture	Textbook
	3	पाठ्यपुस्तक : उत्कर्षवाटा	कथा क्रं. ७. बीजमाता राहीबाई पोपरे	4	Lecture	Textbook
	4	पाठ्यपुस्तक : उत्कर्षवाटा	कथा क्रं. ८. बीव्हीजी ची यशोगाथा	4	Lecture	Textbook
October	1	पाठ्यपुस्तक : उत्कर्षवाटा	कथा क्रं. ९. प्रभावशाली महिला नैना लाल किदवाई	4	Lecture	Textbook
	2	पाठ्यपुस्तक : उत्कर्षवाटा	कथा क्रं. १०. मार्ग शोधताना	4	Lecture	Textbook
	3					
	4					
December	1	अर्जलेखन	विनंती अर्ज, नोकरीसाठी अर्ज, माहितीच्या अधिकारातील अर्ज,	4	Lecture	Ref. Book
	2	अर्जलेखन पत्रलेखन	संगणकीय अर्जलेखन, युनिकोडमधून मायक्रोसॉफ्ट वर्डमध्ये अर्ज,	4	Lecture	Ref. Book
	3	पत्रलेखन	खासगी पत्रव्यवहार प्रशासनिक पत्रव्यवहार	4	Lecture	Ref. Book
	4	पत्रलेखन	व्यावसायिक पत्रव्यवहार इ-मेल	4	Lecture	Ref. Book
January	1	प्रशासनिक मराठी	इतिवृत्त लेखन	4	Lecture/	Ref. Book
	2	प्रशासनिक मराठी	माहितीपत्रक	4	Lecture	Ref. Book
	3	प्रशासनिक मराठी	जाहीर निवेदन	4	Lecture	Ref. Book
	4	प्रशासनिक मराठी	वाणिज्य व माहिती तंत्रज्ञान	4	Lecture	Ref. Book

			विषयक पारिभाषिक संज्ञा			
February	1	प्रगत भाषिक कौशल्ये	सारांशलेखन	4	Lecture	Ref. Book
	2	प्रगत भाषिक कौशल्ये	भाषांतर- (इंग्लिश - मराठी)	4	Lecture	Ref. Book
	3	जाहिरातलेखन	आकाशवाणी	4	Lecture	Ref. Book
	4	जाहिरातलेखन	वृत्तपत्र	4	Lecture	Ref. Book
March	1	जाहिरातलेखन	दूरचित्रवाणी	4	Lecture	Ref. Book
	2					
	3					
	4					




Signature of the Teacher


Head
Department of Marathi
Arts, Science and Commerce College, Kolhar




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KOLHAR, TAL. RAHATA, DIST. AHMEDNAGAR

Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar

	Department of Hindi Teaching Plan Academic Year: 2020-21	
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Class: FYBA

Gen-I Subject: Hindi

Name of the Teacher: Prof YewalwU.O

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3					
	4	इकाई I कहानी साहित्य	पाठ्यक्रम परिचय	1	व्याख्यान	पाठ्यपुस्तक
July	1		एक टोकरी भर मिट्टी - माधवराव सप्रे	2	व्याख्यान	पाठ्यपुस्तक
	2		ईदगाह- प्रेमचंद	3	व्याख्यान / Videos	पाठ्यपुस्तक
	3		जिंदगी और गुलाब के फुल - उषा प्रियंवदा	3	व्याख्यान	पाठ्यपुस्तक
	4		युद्ध- शानी	3	व्याख्यान	पाठ्यपुस्तक

August	1		मिसेस डिस्सा के नाम पत्र- अलका सरावगी	3	व्याख्यान	पाठ्यपुस्तक
	2	इकाई - II काव्य साहित्य	जुही की कली- निराला	3	व्याख्यान	पाठ्यपुस्तक
	3		मैं नीर भरी दुख की बदली - महादेवी वर्मा	3	व्याख्यान	पाठ्यपुस्तक
	4		कालिदास - नागार्जुन	3	व्याख्यान	पाठ्यपुस्तक
September	1		रोटी और संसद धूमिल	3	व्याख्यान	पाठ्यपुस्तक
	2		धार- अरुण कमल	3	व्याख्यान	पाठ्यपुस्तक
	3	इकाई - III साहित्येतर पाठ्यक्रम	संवाद कौशल, सूत्रसंचालन, समूह चर्चा	5	व्याख्यान एवं प्रत्येकक्ष अनुभव	पाठ्यपुस्तक
	4		हिंदी कंप्यूटिंग यूनिकोड (Unicode) की जानकारी।	5	व्याख्यान एवं प्रत्येकक्ष अनुभव	पाठ्यपुस्तक
October	1		इंटरनेट की सामान्य जानकारी हिंदी सॉफ्टवेयर की जानकारी।	5	व्याख्यान एवं प्रत्येकक्ष अनुभव	पाठ्यपुस्तक
December	1					
	2	इकाई- I काव्य साहित्य	आदमी को प्यास लगती है - ज्ञानेंद्र पति	3	व्याख्यान	पाठ्यपुस्तक
	3		रोशनी के उस पार - ओमप्रकाश वाल्मीकि	3	व्याख्यान	पाठ्यपुस्तक
	4		उतनी दूर मत ब्याहना बाबा - निर्मला पुत्तुल	3	व्याख्यान	पाठ्यपुस्तक

January	1		किताबें झाँकतीअलमारी के शीशों से - गुलजार	3	व्याख्यान	पाठ्यपुस्तक
	2		नींव की ईंट होतुमदीदी- उद्यप्रकाश	3	व्याख्यान	पाठ्यपुस्तक
	3	गद्य विधा : इकाई - II	सरजू भैया - रामवृक्ष बेनीपुरी (रेखाचित्र)	3	व्याख्यान	पाठ्यपुस्तक
	4		भय आ. रामचंद्र शुक्ल (निबंध)	3	व्याख्यान	पाठ्यपुस्तक
February	1		एक बूंद सहसा उछली - अजेय (यात्रा वर्णन)	3	व्याख्यान	पाठ्यपुस्तक
	2		अकबरी लौटा - अन्नपूर्णानंद वर्मा (व्यंग्य)	3	व्याख्यान	पाठ्यपुस्तक
	3		प्रतिशोध - डॉ. रामकुमार वर्मा (एकांकी)	3	व्याख्यान	पाठ्यपुस्तक
	4	इकाई - III एकांकी तथा साहित्येतर पाठ्यक्रम :	लेखन कौशल (स्ववृत्त लेखन) निबंध लेखन	3	व्याख्यान / समूह चर्चा	पाठ्यपुस्तक
March	1		विज्ञापन लेखन	3	व्याख्यान /समूह चर्चा	पाठ्यपुस्तक
	2		वाक्य शुद्धिकरण (संज्ञा, सर्वनाम, विशेषण क्रिया के संबंध में)	9	व्याख्यान /समूह चर्चा	पाठ्यपुस्तक


Signature of the Teacher


Head
Department of Hindi
Arts, Science and Commerce College, Kolhar


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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar



Department of Hindi
Teaching Plan
Academic Year: 2020-21



Class: FYBCom opt.

Subject: Hindi

Name of the Teacher: Dr. Pravin T. Tupe

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3					
	4	काव्य साहित्य	स्वदेश के प्रति	3	व्याख्यान	पाठ्यपुस्तक
July	1		हो गई पीर पराई	3	व्याख्यान	पाठ्यपुस्तक
	2		पिता के जुते	3	व्याख्यान	पाठ्यपुस्तक
	3		पेड़ की पुकार	3	व्याख्यान	पाठ्यपुस्तक
	4		उदास तुम	3	व्याख्यान	पाठ्यपुस्तक
August	1	इकाई - I काव्य साहित्य	भोला राम का जीव	3	व्याख्यान/PPT	पाठ्यपुस्तक
	2					
	3		उसने कहा था	3	व्याख्यान	पाठ्यपुस्तक
	4					

September	1					
	2					
	3		व्यथा का सरगम	3	व्याख्यान	पाठ्यपुस्तक
	4		जंगल दाह	3	व्याख्यान	पाठ्यपुस्तक
October	1		सबसे कठिन काम	3	व्याख्यान	पाठ्यपुस्तक
	2					
	3	साहित्येतर पाठ्यक्रम : लेखन	अंक तथा गणितीय चिह्नों का देवनागरी में लेखन।	3	समूह चर्चा	पाठ्यपुस्तक
	4		हिंदी कंप्यूटिंग यूनिकोड (Unicode) की जानकारी।	4	व्याख्यान एवं प्रत्येकक्ष अनुभव	पाठ्यपुस्तक
November	1		इंटरनेट की सामान्य जानकारी	4	व्याख्यान एवं प्रत्येकक्ष अनुभव	पाठ्यपुस्तक
	2		हिंदी सॉफ्टवेयर की जानकारी।	4	व्याख्यान एवं प्रत्येकक्ष अनुभव	पाठ्यपुस्तक
	3					
	4					
December	1					
	2	इकाई - I काव्य साहित्य :	अब की लौटा- तो कुंवरनारायण	3	व्याख्यान	पाठ्यपुस्तक
	3		कलगी बाजरे की- अज्ञेय	3	व्याख्यान	पाठ्यपुस्तक
	4		मांझी का पूल- केदारनाथ सिंह	3	व्याख्यान	पाठ्यपुस्तक
January	1		बापू के प्रति- सुमित्रानंदन पंत	3	व्याख्यान	पाठ्यपुस्तक

	2	इकाई -II कहानी साहित्य	1 पहलवान की ढोलक- फणीश्वरनाथ रेणु	3	व्याख्यान	पाठ्यपुस्तक
	3					
	4					
February	1		सलाम- ओमप्रकाश वाल्मीकि	3	व्याख्यान	पाठ्यपुस्तक
	2					
	3		बच्चे का सपना- शेखर जोशी	3	व्याख्यान	पाठ्यपुस्तक
	4					
March	1		बोलनेवाली औरत- ममता कालिया		व्याख्यान	पाठ्यपुस्तक
	2	इकाई - III साहित्येतर पाठ्यक्रम:	सवाद कौशल	5	व्याख्यान / समूह चर्चा	पाठ्यपुस्तक
	3		अनुवाद स्वरूप, परिभाषाव्यावहारिक पक्ष	8	व्याख्यान /समूह चर्चा	पाठ्यपुस्तक
	4		पारिभाषिक (कार्यालयीन) 100 शब्दावली।	2	व्याख्यान /समूह चर्चा	पाठ्यपुस्तक

Signature of the Teacher



Head
Head
Department of Hindi
Arts, Science and Commerce College, Kolhar

Principal
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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar



Department of Hindi
Teaching Plan
Academic Year: 2020-21



Class: SYBA Gen-2

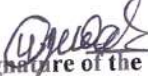
Subject: Hindi

Name of the Teacher: Prof Yewalw U.O

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3					
	4	इकाई- I काव्य साहित्य	पाठ्यक्रम परिचय	1	व्याख्यान	पाठ्यपुस्तक
July	1		नाच- अज्ञेय	2	व्याख्यान	पाठ्यपुस्तक
	2		देश कागज पर बना नक्शा नहीं होता- सर्वेश्वरदयाल सक्सेना	3	व्याख्यान	पाठ्यपुस्तक
	3		एकलव्य से संवाद -अनुज लुगुन	3	व्याख्यान	पाठ्यपुस्तक
	4		हाँकी खेलती लड़कियों- कात्यायनी	3	व्याख्यान	पाठ्यपुस्तक
August	1		टनन टनन बोलती बोरी -अनामिका	3	व्याख्यान	पाठ्यपुस्तक
	3	इकाई - II कहानी साहित्य	धरती अब भी घूम रही है- विष्णु प्रभाकर	3	व्याख्यान	पाठ्यपुस्तक
	4		दूसरे -कमलेश्वर	3	व्याख्यान	पाठ्यपुस्तक

September	1		सजा- मन्नू भंडारी	3	व्याख्यान	पाठ्यपुस्तक
	2		सलाम -ओमप्रकाश वाल्मीकि	3	व्याख्यान	पाठ्यपुस्तक
	3		छावनी में बेघर -अल्पना मिश्र	3	व्याख्यान	पाठ्यपुस्तक
	4	इकाई - III साहित्येतर पाठ्यक्रम	1) हिंदी कारक व्यवस्था।	5	व्याख्यान एवं प्रत्येकक्ष अनुभव	पाठ्यपुस्तक
October	1		2) शब्द युग्म (50) अर्थ लिखकर वाक्य में प्रयोग।	5	व्याख्यान एवं प्रत्येकक्ष अनुभव	पाठ्यपुस्तक
	2		3) संक्षेपण।	5	व्याख्यान एवं प्रत्येकक्ष अनुभव	पाठ्यपुस्तक
	3					
	4					
December	1					
	2	इकाई- I काव्य साहित्य	काव्य साहित्य	3	व्याख्यान	पाठ्यपुस्तक
	3			3	व्याख्यान	पाठ्यपुस्तक
	4			3	व्याख्यान	पाठ्यपुस्तक
January	1			3	व्याख्यान	पाठ्यपुस्तक
	2			3	व्याख्यान	पाठ्यपुस्तक
	3	गद्य विधा : इकाई - II	गद्य विधा	3	व्याख्यान	पाठ्यपुस्तक
	4			3	व्याख्यान	पाठ्यपुस्तक
February	1			3	व्याख्यान	पाठ्यपुस्तक



	2			3	व्याख्यान	पाठ्यपुस्तक
	3			3	व्याख्यान	पाठ्यपुस्तक
	4	इकाई - III एकांकी तथा साहित्येतर पाठ्यक्रम	एकांकी तथा साहित्येतर पाठ्यक्रम	3	व्याख्यान / समूह चर्चा	पाठ्यपुस्तक
March	1			3	व्याख्यान / समूह चर्चा	पाठ्यपुस्तक
	2			9	व्याख्यान / समूह चर्चा	पाठ्यपुस्तक
	3					
	4					


Signature of the Teacher


Head
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KOLHAR, TAL. RAHATA DIST. RAIPUR

Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar

	Department of Hindi Teaching Plan Academic Year: 2020-21	
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Class:SYBASEC

Subject: पाठ्यचर्या SEC-2A अनुवाद स्वरूप एवं व्यवहार

Name of the Teacher: Prof YewalwU.O

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3					
	4	इकाई- I काव्य साहित्य	पाठ्यक्रम परिचय	1		पाठ्यपुस्तक
July	1		1. अनुवाद परिभाषा एवं स्वरूप		व्याख्यान	पाठ्यपुस्तक
	2		2. अनुवाद प्रक्रिया के सोपान	3	व्याख्यान	पाठ्यपुस्तक
	3		3. अनुवाद सहायक सामग्री	3	व्याख्यान	पाठ्यपुस्तक
	4		4. अनुवाद अनुवादक के गुण	3	व्याख्यान	पाठ्यपुस्तक
August	1	इकाई - II				
	3		1. अनुवाद प्रत्यक्ष व्यवहार	3	व्याख्यान	पाठ्यपुस्तक
	4		2. मराठी वाक्यों का हिंदी अनुवाद ।	3	व्याख्यान	पाठ्यपुस्तक
September	1		3. अंग्रेजी वाक्यों का हिंदी अनुवाद	3	व्याख्यान	पाठ्यपुस्तक
	2		4. मराठी परिच्छेद का हिंदी अनुवाद	3	व्याख्यान	पाठ्यपुस्तक

December	3		अंग्रेजी परिच्छेद का हिंदी अनुवाद ।	3	व्याख्यान	पाठ्यपुस्तक
	4					
	1					
	2	इकाई- I	माध्यम लेखन -सैद्धांतिक पक्ष	3	व्याख्यान	पाठ्यपुस्तक
	3		माध्यम का स्वरूप	3	व्याख्यान	पाठ्यपुस्तक
January	4		अवधारणा	3	व्याख्यान	पाठ्यपुस्तक
	1		महत्व एवं उद्देश	3	व्याख्यान	पाठ्यपुस्तक
	2		माध्यम एवं विधा परिचय	3	व्याख्यान	पाठ्यपुस्तक
	3		1. मुद्रित माध्यम 2. श्रव्य माध्यम 3. दृक् श्रव्य माध्यम 4. नव माध्यम 5. कंटेंट लेखन ब्लॉग लेखन	3	व्याख्यान	पाठ्यपुस्तक
	4	इकाई- II	माध्यम लेखन फीचर परिभाषा अवधारणा ।	3	व्याख्यान	पाठ्यपुस्तक
February	1		सामग्री संकलन स्रोत	3	व्याख्यान	पाठ्यपुस्तक
	2		फीचर तत्व विषय प्रस्तावना, शीर्षक विवेचन, छायांकन।	3	व्याख्यान	पाठ्यपुस्तक
	3		फीचर लेखन के गुण विश्वसनीयता रोचकता प्रासंगिकता शब्दावली प्रयोग।	3	व्याख्यान	पाठ्यपुस्तक
	4		फीचर अन्य विधा समाचार आलेख	3	व्याख्यान / समूह चर्चा	पाठ्यपुस्तक
March	1		फीचर विभिन्न प्रकार समाचार फीचर, घटना फीचर, परक फीचर,	3	व्याख्यान /समूह चर्चा	पाठ्यपुस्तक

Signature of the Teacher

Head
Department of Hindi
Arts, Science and Commerce College, Kolhar

Principal
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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar



Department of Hindi
Teaching Plan
Academic Year: 2020-21



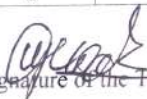
Class: SYBA

Subject: DSC – 1A (S-1) काव्यशास्त्र
सामान्य)

Name of the Teacher: Prof Yewale U. O

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by university	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3					
	4					
July	1	इकाई- I	काव्य परिभाषा (संस्कृत, हिंदी, अंग्रेजी)	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2		काव्य हेतु-प्रतिभा, व्युत्पत्ति,	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3		अभ्यास, समाधि।	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	4		काव्य प्रयोजन (भारतीय)	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
August	1	इकाई- II	काव्य के तत्व-भावतत्व,	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2		बुद्धि तत्व,	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3		कल्पनातत्व	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	4		, शैलीतत्व।	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
September	1		शब्द-शक्ति-परिभाषास्वरूप,	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2		शब्द-शक्तियों का सोदाहरणपरिचय -अभिधा,	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3		लक्षणा, व्यंजना।	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ



	4	इकाई- III	रस-परिभाषा, स्वरूप	4	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
October	1		रस के अंग-स्थायीभाव	4	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2		, विभाव, अनुभाव, संचारीभाव।	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3		रसों का सोदाहरणपरिचय -शृंगार, वीर, हास्य, करुण।	4	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	4					
December	1					
	2					
	3	इकाई- I : प्रबंध	काव्य के विविध भेद	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	4		पद्य के भेद	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
January	1		प्रबंधकाव्य औरमुक्तकाव्य का स्वरूप।	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2		काव्य के भेद :	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3		महाकाव्य और खंडकाव्य,	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	4		मुक्तकाव्य का परिचय।	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
February	1	इकाई- II :	गद्य के भेद	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2		कहानी, का तात्त्विकपरिचय।	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3		उपन्यास, का तात्त्विकपरिचय।	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	4		निबंध का तात्त्विकपरिचय।	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
March	1		कहानीऔरउपन्यासमेंअंतर।	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2	इकाई- III	दृश्य काव्य : नाटक की परिभाषाऔरतत्व।	4	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3		एकांकी : परिभाषाऔरतत्व।	4	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	4		नाटक के भेद	4	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
April	1		रेडियो, दूरदर्शननाटक, मंचीय नाटक।	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2					


Signature of the Teacher


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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar

	Department of Hindi Teaching Plan Academic Year: 2020-21	
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Class: SYBA (5-2)

Subject: मध्ययुगीनकाव्य
तथाउपन्याससाहित्य (S2)

Name of the Teacher: Dr. Pravin T. Tupe

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3					
	4					
July	1	मध्ययुगीनकाव्य तथाउपन्याससाहित्य	कबीर के साहित्य का परिचय देना।	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
		इकाई-I कबीर के 20 दोहे1, गुरुदेवको अंग	1. सतगुरु की महिमाअर्नैत, अर्नैतकियाउपगार। लोचनअर्नैतउघाडिया, अर्नैतदिखावणहार।। 2. पीछे लागाजाइथा, लाकेवेद के साथी। आर्नैथैसतगुरुभित्था, दीपकदियाहाथी। 3. जाकागुरुभीअंधला, चैला खरानिरंध। अंधा अंधा ठेलिया, दून्ही कूपपडत।। 4. भायादीपकनरपतैंग, भगिन्नभिइवैपडत। कहैकबीरगुरुग्यानथै, एक आघ उबरत।। 5. सतगुरुहमसूँ रीझिकरि, एककहयाप्रसंग। बरस्याबादलप्रेम का, भीजिमया सब	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ

		अंग ।। 15 तासिकाएँ षष्ठ्युत्पत्तिः । षष्ठ्युत्पत्तिः ब्रह्मलससंज्ञनेष्ट 2020 छपदकषष्ठः । बिपततुदंष्ट्रतल्लं वचब हंम 15 पपपद			
	2, विरहको अंग	पपद 1. बहुतदिनन की जोवती, बाटुम्हारीराम । जिवतरसैतुअमिलनकुं मनिनाहीविश्राम ।। 2. बहुतनजालीमसिकरीं, लिखीराम का नाउँ । लिखिणिं करुं करक की, लिखि लिखि रामपठाउँ ।। 3. अषडियौ झाईपड़ी, पंथनिहारिनिहारि । जीमडियौ छालापड्या, रामपुकारिपुकारि ।। 4. परबति, परबतिमैफिरया, नैनगैवायेरोइ । सोढूटीपाऊं नहीं, जातैजीवनिहोइ ।। 5. सुखिया सब संसारहै, खारै अरु सोवै । दुखियादासकबीरहै, जागै अरु रोवै ।।	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3, मायाको अंग	1. कबीरमायापापणीं, फंध लैबैठिहाटि । सव जगतौफंधैपड्या, गयाकबीराकाटि ।। 2. कबीरमायामाहे नी, जैसीमीठी खौंड । सतगुर की कृपाभई, नहींतौकरतीमाड ।। 3. मायामुईनमनमुवा, मरिमरिगयासरीर । आसातिष्णौं नौं मुई, यौकहिगयाकबीरा ।। 4. कबीरसो धनसंचिए, जोआगैकुं होई । सीस च	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	4, निंद्याको अंग	1. निंदकनैझाराखिये, आंगणिकुटी बैधाइ । विनसाबणपौणीं बिना, निरमलकरैसुमाइ ।। 2. कबीरआपठगाइये, और न ठगियेकोइ । आपठग्याँ सुख ऊपजौं, औरठग्या दुख होइ ।।		व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
August	1, 5, कथनीबिनाकरनीको अंग	पाथी पढ़ी पढ़ी जग मऊआ पंडित भाय न कोय ठाई आखर परम का पढ़े सो पंडित होय	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2, 6, भेषको अंग	1. तनकोजोगी सब करै, मनकोविरलाकोइ । सब सिधि सहजैपाइए, जेमनजोगीहोइ ।। 2. भालाफेरतजुगमया, पाय न मन का फेर । कर का मनकाछोंडि दे, मन का मनकाफेर ।।	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3	●कबीर का व्यक्तित्व ●कबीर की प्रगतिशीलता ●कबीर की समाजसुधार ●कबीर की भाषा ●भावपक्ष, शिल्पपक्ष का अध्ययन ।	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	4, इकाई-II मीराबाई के 10 पद (आरंभ के 10 पद)	1. मणथे परसहरिरेचरण ।। 2. तनकहरिवितवांमहारीऔर ।। 3. महारोगीकुलरोज्जवासी ।। 4. हे मा बडीबडीअखियानवारो, सांवरोमोतनहेरतहसिके ।। 5. हेरी मा नंदकोगुमानीमहारेमनडेबस्यो ।।	5	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ

September	1		6. थारो रूप देखा अटकी ।। 7. निपटबंकट छब अटके ।। 8. भ्हागोहणो रूपलुभाणी ।। 9. सवरांनंदन, दीठपड़्यामाई ।। 10. आलीरीम्हारे गेणाबाणपडी ।।	5	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2	अध्ययनार्थविषय :	●मीराबाई का व्यक्तित्व, कृतित्व●मीराबाई की मवित ●मीराबाई की प्रगतिशीलता ●मीराबाई की भाषा ●भावपक्ष, शिल्पपक्ष का अध्ययन ।	5	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3					
	4	इकाई- III उपन्यासकृति : एक पत्नी के नोटस	उपन्यास : स्वरूप, तत्त्व ।	5	व्याख्यान	पाठ्यपुस्तक
October	1		ममताकालियालेखक का व्यक्तित्व एवंकृतित्व	5	व्याख्यान	पाठ्यपुस्तक
	2		कथ्यगत अध्ययन, शिल्पगत अध्ययन ।	5	व्याख्यान	पाठ्यपुस्तक
	3					
	4					
December	1					
	2					
	3	इकाई-I रहीम के 20 दोह 1मवित	1. समय दशाकुलदेखि कै, सबैकरतसनमान ।रहिमनदीनअनाथ को, तुमबिनकोभगवान ।। 2. रहिमनकोकोड का करै, ज्वारी, चोर, लबार ।जोपतिराखनहारहै, माखन चाखनहार ।। 3. जैहिरहीमलनमनलियो, कियोहिए बिचमोन ।तासो दुख सुख कहन की, रहीबातअबकौन ।। 4. पहिसरनागतिराम की, भवसागरकी नाव ।रहिमनजगत उधारकर, और न कछुउपाव ।।	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	4	2संगति का प्रभाव	1. जोरहीमउत्तमप्रकृति, का करिसकतकुसंग ।वंदनविषयव्यापनहीं, लपटेरहतभुज्जम ।।	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
January	1	3 दीनताऔरबड़प्यन	1. जेगरीबपरहितकरै, तेरहीमबड़ लोग ।कहासुदामाबापुरो, कृष्णमिताईजोग ।। 2. थोडोकिए बड़ेन की, बड़ीबड़ाईहोय ।ज्योरहीमहनुमंतको, गिरिधरकहत न कोय ।। 3. दीनसबनकोलखतहै, दीनहिं लखै न काये । जोरहीमदीनहिं लखै, दीनबंघु सम होय ।। 4. रहिमनदेखि बड़ेनको, लघु न दीजियेडारि ।जहाँ	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ

	2	4 नीति	कामआर्वे सुई, कहाकरेतरवारि ।। 1. खेर, खून खाँसी, खुसी, वैर, प्रीति, मद-पान ।रहिमनदाबे न दबै, जानतसकलजहान ।। 2. रुठे सुजनमनाइए, जो रुठे सोबार ।रहिमनफिरफिरफोहिऐ, टूटेमुक्ताहार ।। 3. दानोरहिमन एक से, जौलौबैलतनाहि ।जानपरतहैकाक पिक, ऋतुबसंत के भाहि । 4. बिगरीबातबनैनीही, लाख करोकिनकोय ।रहिमनफाटेदूध को, मथे न माखनहोय ।।	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3	5 संत महिमा	1. तरुवरफलनहिं खातहैं, सरवरपियहिं न पान ।कहिरहीम, पर-काजहित, सपतिसंचहिसुजान ।। 2. भथत-मथत माखन, दही-महीबिलगाय ।रहिमनसोईगीतहैं, भीरपरैउहराय ।। 3. रहिमनवेनमरचुके, जेकहुँ मोंगनजाहिं ।उनतेपहलेवेमरे, जिनमुख निकसतनाहिं ।। 4. दुरदिनपरैरहीमकहि, भलू त सब पहचानि ।सोचनहीवित-हानिको, जो न होय हितहानि ।।	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	4	अध्ययार्थविषय :	●रहीम का व्यक्तित्व, कृतित्व●रहीम की भाषा ●रहीम की भक्तिभावना ●रहीम के काव्य की प्रासंगिकता●भावपक्ष, शिल्पपक्ष का अध्ययन ।	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	1	इकाई-II बिहारी के 20 दोहेपद्ध नायक-नायिकावर्णन	1. मेरीभव बाधा हरौराघानागरिसोई ।जातन की झाईपरैस्यामहरितदुतिहोइ ।। 2. कहतनटतसीझत खिजतमिलतलजियात ।भरेगौनमें करतहैंनैननिभैं सब बात ।। 3. नमलालीवालीनिसावटकाली घुनिकीन ।रतिपालीआळीअनतआयेबनमालीन ।। 4. सघनकुंज घन घनतिगिरअधिक अंधेरीराति ।तऊनदुरिहैरयाम यह दीपसिखा सीजाति ।। 5. सोहतओ	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
February	2	संयोग-श्रृंगारवर्णन	1. पीतमदूगमिहिवतप्रियापानिपरससुख पाय ।जानिपिछानिअजानलौनैकु न होतिनाय ।। 2. लटकिलटकिलटकनचलतडटतमुकुट की छाँह ।चटकभरयौनट मिल गयोअटकमटकमनमोह ।। 3. चिरजीवौजोरीजुरैक्यों न सनेहगंभीर ।को घटि ये वृषभानजावेहलधर के दीर ।। 4. मन न घरतिमरौकहयौतूआपनेसयान ।अहेपरनिपरिप्रेम की परहथपार न प्रान ।। 5. लालतिहारैविरह की अगनिअनूपअपार ।। 5 तासिकाएँ ‘णल्लठण ।णैणल्लठणैबण’ लससंइने२०२०छप्पदकपछट्टै क्षिपतउंदछ्छठळण ववब ङ्हम २० सरसैबरसैनीरहूँ झरहूँ गिटे न झार ।	4	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ



3	सिख-नख वर्णन	1. अंग अंगनगजगमगतदीपसिखा सीदेह।दियाबौरतऔपतऔर रऔर मधुअंध।। 4. पावस घनऔंधियारिमेंरहयौभेदनहिआन।राति छौसजान्यौपरैलखि चकईचकवान।। 5. दिसदिसकुसमितदेखियेउपवनबिपिनसमाज।मनहुबिये गिनिकौकियोसरपंजररितुराज।।	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	नवरस-इत्यादि वर्णन	1. नहिपरागनहि मधुर मधुनहिविकासइहिकाल।अलीकलीहीतें बँध्यौआगेकौनहवाल।। 2. कनक कनकतेंसौगुनीमादिकताअधिकाइ।उहि खायेबौराइजगइहिपायेबौराइ।। 3. जपमालाछापेतिलकसरै न एकौकाम।मनकावैनावैबूधासौवैराम।। 4. तज तीरथहरिराधिकातनदुतिकरअनुराग।जिहिब्रजकेलिनि कुंज मग पग पगहोतप्रयाग।। 5. जगतजनायौजिहिसकलसोहरिजान्यौनाहि।ज्यौआखि न सब देखियैआखि न देखीजाहि।।	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	अध्ययनार्थविषय	: •बिहारी का व्यक्तित्व एवंकृतित्व•बिहारी की प्रासंगिकता•बिहारी की अलंकार योजना•बिहारी की भाषा •भावपक्ष, शिल्पपक्ष का अध्ययन।	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	इकाई-III	नाटक : स्वरूप, तत्त्व।नाटककृति : महामोक्ष-मन्मंढारी	5	व्याख्यान	पाठ्यपुस्तक
March		लेखक का व्यक्तित्व एवंकृतित्व	5	व्याख्यान	पाठ्यपुस्तक
		कथ्यगत अध्ययन, रंगमन्त्रीय अध्ययन, तात्त्विकमूल्यांकन।	5	व्याख्यान	पाठ्यपुस्तक

Signature of the Teacher

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Class: TYBA Subject: Sp-4(काव्यशास्त्र) Name of the Teacher: prof. YewaleU.O

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3					
	4					
July	1	1. काव्य (साहित्य)	काव्य का अर्थ, स्वरूप,	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	2		काव्य की संस्कृत,	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	3		हिंदीतथाअंग्रेजी की सर्वाधिकप्रचलितपरिभाषाएँ ।	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	4					
August	1	2. काव्य-हेतुऔरकाव्य प्रयोजन	(कारण) औरकाव्य प्रयोजन (उद्देश्य) का सामान्य परिचय ।	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	2		सामान्य परिचय ।	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	3	काव्य के तत्व	-भाव-तत्व, बुद्धि-तत्व,	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	4		कल्पना-तत्व, शैलीतत्व ।	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
September	1	शब्दशक्ति	-अभिधा, लक्षणा	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	2		व्यंजना का सामान्य परिचय ।	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	3	काव्य के भेद	(प्रकार): काव्य के निम्नलिखितभेद : प्रबंध काव्य : महाकाव्य,	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक

October	4		खंडकाव्य। : मुक्तकाव्य, गीतिकाव्य।	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	1	अलंकार	अ) अलंकार का स्वरूप, काव्य में अलंकार का महत्व।	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	2		आ) निम्नलिखित अलंकारों का सोदाहरणपरिचय- 1. शब्दालंकार : अनुप्रास, यमक, श्लेष, वक्रोक्ति।	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	3		2. अर्थालंकार : उपमा, दृष्टान्त, रूपक, उत्प्रेक्षा, अतिशयोक्ति, भ्रांतिमान।	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	4					
December	1					
	2					
	3					
	4	गद्य के भेद:	उपन्यास, कहानी, (इन विधाओं का केवलतात्विकपरिचय तथा उपन्यास और कहानी की तुलना।)	4	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	1		निबंध, रेखाचित्र। (इन विधाओं का केवलतात्विकपरिचय तथा उपन्यास और कहानी की तुलना।)	4	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
January	2	दृश्य काव्य:	अ) नाटक की परिभाषा और रस (भारतीय दृष्टि से तत्त्वों का स्थूलपरिचय)	4	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	3		आ) माध्यम के आधार पर नाटक के भेद: रंगमंचीय नाटक, रेडियोनाटक, दूरदर्शननाटक का सामान्य परिचय।	4	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	4		इ) काव्य नाटक/गीतिनाट्यस्वरूप एवं तात्विकपरिचय।	4	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	1		ई) एकांकी: परिभाषा और रस, नाटक और एकांकी की तुलना।	4	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
February	2	रस:	अ) रस की परिभाषा एवं स्वरूप। आ) रस के अंग: स्थायीभाव, विभाव, अनुभाव और रसंवादीभाव। इ) रसों का सोदाहरणपरिचय: शृंगाररस, करुण रस, वीररस और हास्य रस।	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	3	आलोचना:	स्वरूप, उद्देश्य एवं आवश्यकता तथा आलोचक के गुण।	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	4	छंद:	अ) काव्य में छंद का महत्व।	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	1		आ) वर्णिक और मात्रिक छंदों का स्वरूप।	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
March	2		इ) निम्नलिखित छंदों का सोदाहरणपरिचय-	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	3		क) मात्रिक छंद: दोहा, सोरठा, रोला, चौपाई, बरवै।	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	4		ख) वर्णिक छंद: शिखरिणी, द्रुतविलंबित, भुजंगप्रयात, मनहरणकवित्त, दुर्गिलसवैया।	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक


Signature of the Teacher


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Class: TYBA

**Subject: Sp-3आदिकाल से
आधुनिककालतक**

Name of the Teacher: Dr.Tupe Pravin T.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3					
	4					
July	1	1. हिंदीसाहित्य का कालविभाजनऔरनामकरण।	कालविभाजनऔरनामकरण।	3	व्याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	2	2. आदिकाल : परिस्थितियाँ।	1. आदिकाल की पृष्ठभूमि-राजनीतिक, सामाजिक, धार्मिकसाहित्यिक	3	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	3		2. आदिकालीनवीरगाथातथारासोसाहित्य की प्रवृत्तियाँ।	3	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	4		3. आदिकालीनरचनाकारों का परिवय-चंदबरदाई, अमीर खुसरो।	3	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
August	1		4. आदिकालीनरचनाओं का परिचय-	3	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	2	3. भक्तिकाल (पूर्वमध्यकाल) :	1. भक्तिकाल की पृष्ठभूमिसंदेह में।	3	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	3		2. निर्गुणभक्तिसाहित्य औरउसकी शाखाएँ-ज्ञानाश्रयीतथाप्रेमाश्रयी शाखा की विशेषताएँ।	3	याख्यानतथाविश्लेषण	पाठ्यपुस्तक

	4		संगुणमवितसाहित्य और उसकी शाखाएँ - गुणमवित और राममवित शाखा की विशेषताएँ।		याख्यानतथाविश्लेषण	पाठ्यपुस्तक
September	1		4. निम्नलिखितरचनाकारों का संक्षिप्तपरिचय-कबीर, जायसी, सूरदास, तुलसीदास, मीराबाई, रहीम।	3	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	2		5. निम्नलिखितरचनाओं का संक्षिप्तपरिचय-रामचरितमानस, भ्रमरगीत।	3	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	3	4. रीतिकाल (उत्तर मध्यकाल)	1. रीतिकाल की पृष्ठभूमिसंक्षेपमें।	3	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	4		2. रीतिकाल का नामकरण।	3	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
			3. रीतिकालीनसाहित्य की प्रवृत्तियाँ।	3	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
October	1		4. रीतिकालीनकवियों का परिचय: केशवदास, बिहारी, घनानंद।	3	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	2		5. रीतिकालीनरचनाओं का परिचय: रामचंद्रिका, बिहारीसतसई।	3	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	3					
	4					
December	1					
	2					
	3					
	4	आधुनिककालसन 2000 ई. तक 1. काव्य :-	क. निम्नलिखितकाव्यधाराओं का संक्षिप्तपरिचय: भारतेंदु युग, द्विवेदी युग, छायावादी युग।	4	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
January	1		ख. निम्नलिखितकाव्यधाराओं की विशेषताओं का परिचय:- प्रगतिवाद, प्रयोगवाद, नईकविता, सांगतरीकविता,	4	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	2			4	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	3		उत्तरशती की कविता।	4	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	4		ग. निम्नलिखितकवियों का परिचय: मैथिलीशरणमुफ्त, जयशंकरप्रसाद,	4	याख्यानतथाविश्लेषण	पाठ्यपुस्तक



February	1		महादेवीवर्मा, अज्ञेय, भवानीप्रसादमिश्र,	4	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	2		मुक्तिबोध, धूमिल, केदारनाथ सिंह, नरेशमेहता, मंगेशडबरा, चंद्रकांतदेवताले, निर्मलापुत्तुल।	4	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	3		घ. निम्नलिखितरचनाओं का परिचय: प्रियप्रवास, कुरुरमुत्ता, उर्वशी।	4	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	4	2. गद्य साहित्य	क. निम्नलिखितगद्य विधाओं का विकासात्मकसंक्षिप्तपरिचय- 1. नाटक 2. उपन्यास 3. कहानी 4. निबंध	2	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
March	1		ख. निम्नलिखितगद्यकारों का परिचय: महावीरप्रसादद्विवेदी, रामचंद्र शुक्ल, प्रेमचंद, जैनेंद्रकुमार, यशपाल, वृंदावनलालवर्मा,	2	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	2		भीष्मसाहनी, जयप्रकाशकर्दम, मोहनराकेश, श्रीलाल शुक्ल, ममताकालिया, मेहरुनिसापरवेज़।	3	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	3		ग. निम्नलिखितरचनाओं का स्थूलपरिचय: गोदान,	3	याख्यानतथाविश्लेषण	पाठ्यपुस्तक
	4		मैलाओंवल, पहलासूरज, तुमचन्दनहमपानी, अंधायुग।	3	याख्यानतथाविश्लेषण	पाठ्यपुस्तक

Signature of the Teacher

Head
Department of Hindi
Arts, Science and Commerce College, Kolhar

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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar

	<p>Department of Hindi Teaching Plan Academic Year: 2020-21</p>	
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Class: TYBA

Subject: Gen 3 सृजनसंदर्भऔरमैं:
आत्मकथाश

Name of the Teacher: Dr.Tupe P.T

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3					
	4					
July	1	आत्मकथाश	1. मेरा-जीवन -प्रेमचंद	4	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2		2. क्यामूलूँक्या याद करूँ -हरिवंशराय बच्चन	4	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3		3. टुकड़ेटुकड़ेदास्तान (मैं लेखक कैसे बना) -अमृतलालनागर	5	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	4					
August	1		4. जो कहानहींगया(प्रेम एक इच्छा है) -कुसुम अ सल	4	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2		5. शब्दकाया-सुनीताजैन	4	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3					

	4		6. गुमशुदादोस्त की तलाश (भाग 1) –सुधा अरोड़ा	4	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
September	1					
	2		7. अपनेअपनेपिंजरे-मोहनदासनेमिशराय	4	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3					
	4		8.संतप्त (दलित पीड़ा का दंश) –सूरजपालचौहान	4	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
October	1					
	2	पाठ्यपुस्तकेंतर पाठ्यक्रम:	क. पारिभाषिक शब्दावली (पदनाम) सूचीसंग्रह।	4	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3		ख. कार्यक्रमसंयोजनकौशल का परिचय: इसमेंसंकल्पना एवंस्वरूप, उद्देश्य, कार्यक्रम की प्रस्तावना, परिचय, स्वागत, सम्मान, सूत्रसंचालन, अभिमत, आभारज्ञापन, कार्यक्रम पत्रिका आदि का परिचय अपेक्षितहै।	4	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ 0
	4		ग. अनुवादलेखन: (मराठी/अंग्रेजी)	4	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
December	1					
	2					
	3					
	4	काव्यनाटक-	एककंठविषयायी- दुष्यंतकुमार नाटक के तत्व	2	व्याख्यान / Videos	पाठ्यपुस्तक/ संदर्भ ग्रंथ
January	1		अंक पहला 1	7	व्याख्यान / Videos	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2					
	3		अंक पहला 2	7	व्याख्यान / Videos	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	4					
February	1		अंक पहला 3	7	व्याख्यान / Videos	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2					

	3		अंक पहला 4	7	व्याख्यान / Videos	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	4					
March	1	पाठ्यपुस्तकेतरप ठयक्रम	क. सक्षिप्तियाँ:-सूची स लग्न	5	व्याख्यान / Videos	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2		ख. समाचारपत्र और रेडियो के लिए वार्तालेखन।	5	व्याख्यान / Videos	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3		ग. सरकारी पत्रलेखन- 1. परिपत्र 2. कार्यालय आदेश 3. अधिसूचना	5	व्याख्यान / Videos	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	4					

Signature of the Teacher

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Department of Hindi
Teaching Plan
Academic Year: 2020-21



Class: SYBA

Subject: MIL हिंदी भाषा शिक्षण

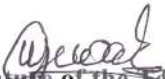
Name of the Teacher: Prof. Yewale U.O.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3					
	4					
July	1	इकाई पहली वैकल्पिक हिंदी	हिंदी वर्णमाला	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2		लिपि।	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3		वर्णों का उच्चारण और वर्गीकरण	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	4		स्वराघात	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ

August	1		और संधि।	3	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2	इकाई दूसरी डॉ ज्योति जैन की निम्नलिखित लघु कथाएं	1) शिक्षा	1	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3		2) पानी के पेड़	1	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	4		3) पशु भाषा	1	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
September	1		4) अपशगुन	1	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2	डॉक्टर लता अग्रवाल की निम्नलिखित लघु कथाएं	1) ममता	1	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3		2) गरीब का लंच बॉक्स	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	4		3) मैं ही कृष्ण हूँ 4) सत्य की अग्नि परीक्षा	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
December	1					
	2					
	3					

	4	इकाई फर्स्ट	1) वाक्य विन्यास और वाक्य के भेद	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
January	1		2) साधारण वाक्य	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2		3) मिश्रवाक्य	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3		4) संयुक्त वाक्य	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	4		5) संक्षिप्त वाक्य	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
February	1		6) विशेष प्रकार के वाक्य	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2		7) विराम चिह्न	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3	इकाई दूसरी गोपालदास सक्सेना उर्फ नीरज की निम्नलिखित गजलें	1) आदमी हूं आदमी से प्यार करता हूं	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	4		2) जैसे राधा ने माला जपी श्याम की 3) फूलों के रंग से दिल की	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ



			कलम से			
March	1		4) खेलते हैं गुल यहां खेल के बिखरने को 5) जीवन की बगिया महकेगी महकेगी चमकेगी	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	2		6) लिखे जो खत तुझे वो तेरी याद में 7) आज मदहोश हुआ जाए रे।	2	व्याख्यान	पाठ्यपुस्तक/ संदर्भ ग्रंथ
	3		8) स्वप्न झरे फूल से मीत चुभे शूल से	1		
	4					


Signature of the Teacher


HEAD
Department of Hindi
Art's, Science & Commerce College
Kolhar Tal. Rahata, Dist. Ahmednagar


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Arts, Science & Commerce College
Kolhar, Tal. Rahata, Dist. Ahmednagar.

Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar

	Department of English Teaching Plan Academic Year: 2020-21	
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Class: FYBA

Subject: Compulsory English

Mr. R.S. Mali

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Introduction to the syllabus			Lecture, PPT	Textbook, zoom meeting
	4	Prose:	1. Engine Trouble — R. K. Narayan	04	Lecture, PPT	Textbook, zoom meeting
July	1	Prose:	2. On Saying 'Please' — A. G. Gardiner	04	Lecture, PPT	Textbook, zoom meeting
	2	Prose:	3. The Gift of the Magi — O. Henry	04	Lecture, PPT	Textbook, zoom meeting
	3	Poetry:	1. A Red, Red Rose — Robert Burns	04	Lecture, PPT	Textbook, zoom meeting
	4	Poetry:	2. Leave this Chanting and Singing — Rabindranath Tagore	04	Lecture, PPT	Textbook, zoom meeting
August	1	Poetry:	3. The Felling of a Banyan Tree — Dilip Chitre	04	Lecture, PPT	Textbook, zoom meeting

	2	Grammar:	1. Articles	04	Lecture, PPT	Textbook, zoom meeting
	3	Grammar:	2. Prepositions	04	Lecture, PPT	Textbook, zoom meeting
	4	Grammar:	3. Verbs Regular and Irregular Verbs	04	Lecture, PPT	Textbook, zoom meeting
September	1	Grammar:	3. Auxiliary Verbs: Primary and Modal	04	Lecture, PPT	Textbook, zoom meeting
	2	Grammar:	4. Punctuation	04	Lecture, PPT	Textbook, zoom meeting
	3	Communication Skills:	1. Greeting and Taking Leave	04	Lecture, PPT	Textbook, zoom meeting
	4	Communication Skills:	2. Introducing Yourself 3. Introducing People to One Another	04	Lecture, PPT	Textbook, zoom meeting
October	1	Communication Skills:	4. Making Requests and Asking for Directions	04	Lecture, PPT	Textbook, zoom meeting
	2	Communication Skills:	5. Making and Accepting Apology	04	Lecture, PPT	Textbook, zoom meeting
	3	Revision	--	--	--	--
	4	Mid-Semester Exam	--	--	--	--
November	1	Mid-Semester Exam	--	--	--	--
	2	Diwali Vacation	--	--	--	--
	3	Diwali Vacation	--	--	--	--
	4	Diwali Vacation	--	--	--	--
December	1	Prose:	1. In Sahyadri Hills, A Lesson in Humility — Sudha Murthy	04	Lecture, PPT	Textbook, zoom meeting
	2	Prose:	2. The Model Millionaire — Oscar Wilde	04	Lecture, PPT	Textbook, zoom meeting
	3	Prose:	3. The Eyes are not Here — Ruskin Bond	04	Lecture, PPT	Textbook, zoom meeting

	4	Poetry:	1. My Heart Leaps Up — William Wordsworth	04	Lecture, PPT	Textbook, zoom meeting
January	1	Poetry:	2. Ozymandias — P. B. Shelley	04	Lecture, PPT	Textbook, zoom meeting
	2	Poetry:	3. Success is Counted Sweetest — Emily Dickinson	04	Lecture, PPT	Textbook, zoom meeting
	3	Grammar:	1. Tenses	04	Lecture, PPT	Textbook, zoom meeting
	4	Grammar:	1. Tenses	04	Lecture, PPT	Textbook, zoom meeting
February	1	Grammar:	2. Subject-Verb Agreement	04	Lecture, PPT	Textbook, zoom meeting
	2	Grammar:	3. Vocabulary	04	Lecture, PPT	Textbook, zoom meeting
	3	Communication Skills:	1. Inviting and Accepting/Declining Invitations	04	Lecture, PPT	Textbook, zoom meeting
	4	Communication Skills:	2. Making a Complaint	04	Lecture, PPT	Textbook, zoom meeting
March	1	Communication Skills:	3. Congratulating, Expressing Sympathy and Offering Condolences	04	Lecture, PPT	Textbook, zoom meeting
	2	Communication Skills:	4. Making Suggestions, Offering Advice and Persuading	04	Lecture, PPT	Textbook, zoom meeting
	3	Revision	--	--	--	--
	4	Mid-Semester Exam	--	--	--	--


Signature of the Teacher


Head
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Arts Science & Commerce College, Kolhar




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KOLHAR, TAL. RAHATA, DIST. AHMEDNAGAR



Arts, Science and Commerce College, Kolhar
Department of English
Teaching Plan
Academic Year: 2020-21



Class: FYBA

Subject: Optional English G-1

Name of the Teacher: Parameshwar B. Vikhe

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	2	Introduction of the Course	Course Content and Purpose of the paper	3	Lecture and PPT	Textbook and Syllabus
		Objectives of the course & Outcomes	Explanation of objectives and Discussion on Outcome	4	Lecture and PPT	Textbook and Syllabus
July	4	Forms of Literature	Discussion on Major and Minor Forms of Literature	4	Lecture nad PPT	Textbook and e-content
		1. A Lesson My Father Taught Me - A.P.J. Abdul Kalam	Biographical Details of Dr. APJ Abdul Kalam Discussion on Lesson	4	Lecture	Textbook and e-content
		2. Toasted English - R. K. Narayan	Biographical Details of R,K Narayan and Discussion on Lesson	4	Lecture and PPT	Textbook and e-content
		Unit Test	Unit test -I	1	MCQs	Textbook and e-content
August	4	1. The Romance of a Busy Broker - O. Henry	Biographical Details of O Henry & Discussion on the short story	4	Lecture and Screening of Movie	Textbook and e-content
		2. The Open Window - Saki	Biographical Details of Saki & Discussion on the short story	4	Lecture and Screening of Movie	Textbook and e-content

		1. Sonnet 29: 'When in disgrace with Fortune and men's eyes' - William Shakespeare	Biographical and background of Poem, Discussion on Poem	4	Lecture and Screening of Video	Textbook and e-content
September	4	2. The World is too much with Us - William Wordsworth	Biographical and background of Poem, Discussion on Poem	4	Lecture and Screening of Video	Textbook and e-content
		3. The Listeners - Walter de la Mare	Biographical and background of Poem, Discussion on Poem	4	Lecture	Textbook and e-content
		4. No Men are Foreign - James Kirkup	Biographical and background of Poem, Discussion on Poem	4	Lecture	Textbook and e-content
		Unit Test	Unit Test - 3	1	MCQs	Textbook and e-content
October	3	Introduction to the Sounds of English: Part - I	Introduction to Branches of Linguistics and Discrepancy between English Spelling and Pronunciation	4	Lecture and PPT Presentation	Textbook and e-content
		Introduction to the Sounds of English: Part - I	Phonetic Symbols and Transcription, The Concept of Phoneme and Minimal Pairs	6	Lecture and PPT Presentation	Textbook and e-content
November		Semester End Exams				
				56		

Semester - II

December	4	Short Stories:	Origin and Development of Short Story as a Form of literature	4	Lecture	Textbook and e-content
		1. The Doll's House - Katherine Mansfield	Biographical details of Writer and About theme of Story Discussion of Short Story	5	Lecture and PPT	Textbook and e-content
		2. The Thief – Ruskin Bond	Biographical details of Writer and About theme of Story Discussion of Short	5	Lecture	Textbook and e-content

January	4	Test - I	Test - I	1	Short Answer Questions	Textbook and e-content
		1. I remember; I remember – Thomas Hood	Biographical details of Poet and About theme of Poem Analysis of Poem	4	Lecture and PPT	Textbook and e-content
		2. Where the Mind is without Fear - Rabindranath Tagore	Biographical details of Poet and About theme of Poem Analysis of Poem	4	Lecture and Screening of Movie	Textbook and e-content
		3. The Mountain and the Squirrel - R. W. Emerson	Biographical details of Poet and About theme of Poem Analysis of Poem	4	Lecture and Screening of Movie	Textbook and e-content
		4. Up – Hill - Christina Rossetti	Biographical details of Poet and About theme of Poem Analysis of Poem	4	Lecture and Screening of Movie	Textbook and e-content
February	4	One Act Plays:	Origin and Development of One Act Play as a Form of literature.	4	Short Answer Questions	Textbook and e-content
		1. The Monkey's Paw - W.W. Jacobs	Biographical details of writer and About theme and Analysis of Play	4	Lecture and Screening of Video	Textbook and e-content
		2. Swansong - Anton Chekhov	Biographical details of writer and About theme and	4	Lecture and Screening of Video	Textbook and e-content
		Test -II	Unit test on Taught topics	1	MCQs	Textbook based
March	3	Introduction to the Sounds of English: Part - II	The Concept of Syllable	3	Lecture and PPT Presentation	Textbook and e-content
		Introduction to the Sounds of English: Part - II	Monosyllabic and Polysyllabic words	3	Lecture and PPT Presentation	Textbook and e-content
		Introduction to the Sounds of English: Part - II	Concept of Word Stress and Sentence Stress	3	Lecture and PPT Presentation	Textbook and e-content
		Introduction to the Sounds of English: Part - II	Different standards of Pronunciation i.e. British RP, GAE and GLE	3	Lecture and PPT Presentation	Textbook and e-content
April		Semester End Exams				


Signature of the Teacher


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ARTS, SCIENCE & COMMERCE COLLEGE
KOLHAR, TAL. RAHATA, DIST. AHMEDNAGAR


Signature of Head of the Department
Department of English
Arts, Science & Commerce College, Kolhar

**Arts, Science and Commerce College, Kolhar****Department of English****Teaching Plan****Academic Year: 2020-21****Class: SYBA****Subject: Compulsory English (CC)****Name of the Teacher : Parameshwar B. Vikhe**

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	2	Introduction of the Course	Course Content and Purpose of the paper	1	Lecture	Textbook and Syllabus
		Objectives of the course & Outcomes	Explanation of objectives and Discussion on	1	Lecture	Syllabus
July	4	1. A Simple Philosophy- Seathl	About the writer and Text	4	Lecture	Textbook and e-content
		1. A Simple Philosophy- Seathl	Discussion on Essay	3	Lecture	Textbook and e-content
		2. The Homecoming- Rabindranath Tagore	About Tagore and his writing, Discussion on Short story	4	Lecture and Screening of Movie	Textbook and e-content
		3. The Verger- Somerset Maugham	About Writer and his writing, Discussion on Short story	3	Lecture and Screening of Movie	Textbook and e-content
		3. The Verger- Somerset Maugham	About Writer and his writing, Discussion on Short story	4	Lecture and Screening of Movie	Textbook and e-content
August	4	Test -I	Test on Discussed units	1	MCQs	Based on Units
		1. The Palanquin Bearers- Sarojini Naidu	About Naidu and his writing, Discussion on	3	Lecture	Textbook and e-content

		2. On the Grasshopper and the Cricket- John Keats	About Keats and his writing, Discussion on poem	3	Lecture	Textbook and e-content
		3. Pied Beauty- George Manley Hopkins	About Hopkins and his writing, Discussion on poem	4	Lecture	Textbook and e-content
September	4	Test -II	Test on Discussed units	1	Short Answer questions	Based on Units
		1. The Passive Voice	Active and Passive voice	3	Lecture and online practical exercises	Textbook and e-content
		2. Direct and Indirect Speech	Direct and Indirect Speech	3	Lecture and online practical exercises	Textbook and e-content
		3. Negative Sentences	Negative Sentences	3	Lecture and online practical exercises	Textbook and e-content
		1. One-word substitutes	One-word substitutes	3	Lecture	Textbook and e-content
October	4	2. Idioms	Idioms	3	Lecture	Textbook and e-content
		3. Suffixes and prefixes	Suffixes and prefixes	3	Lecture	Textbook and e-content
		1. Leadership skills	Soft Skills and Hard Skills and Leadership skills	3	Lecture and Activities	Textbook and e-content
		Tutorial- I	Tutorial on Units	1	Textbook based	Textbook
		2. Teamwork skills	Teamwork skills	2	Lecture and Activities	Textbook and e-content
November	4	Semester - III End Exam				
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Semester - II

December	4	1. The Chicago Speech- Swami Vivekananda	About the writer and Text	4	Lecture	Textbook and e-content
		1. The Chicago Speech- Swami Vivekananda	Discussion on Speech	3	Lecture and Screening of Movie	Textbook and e-content
		2. The Lottery Ticket- Anton Chekhov	About Chekhov and his writing, Discussion on Short story	4	Lecture and Screening of Movie	Textbook and e-content

		3. The Open Window- Saki (H. Munro)	About Saki and his writing, Discussion on Short story	3	Lecture and Screening of Movie	Textbook and e-content
		Test - I	Test on Discussed units	1	MCQs	Based on Units
January	4	1. On Another's Sorrow- William Blake	About Blake and his writing, Discussion on	4	Lecture	Textbook and e-content
		2. Laugh and Be Merry- John Masefield	About Masefield and his writing, Discussion on	3	Lecture	Textbook and e-content
		3. The Rock and the Bubble- Louisa May Alcott	About Alcott and his writing, Discussion on poem	3	Lecture	Textbook and e-content
		1. Question tags	Question tags	4	Lecture and online practical exercises	Textbook and e-content
February	4	2. Simple, Compound and Complex sentences	Simple, Compound and Complex sentences	4	Lecture and online practical exercises	Textbook and e-content
		3. Degrees of Comparison	Degrees of Comparison	3	Lecture and online practical exercises	Textbook and e-content
		Test -II	Test on Discussed units	1	Short Answer questions	Based on Units
		1. Collocations: Words that go together	Collocations: Words that go together	3	Lecture	Textbook and e-content
		2. Phrasal Verbs	Phrasal Verbs	4	Lecture	Textbook and e-content
March	4	3. Commonly Confused Words	Commonly Confused Words	3	Lecture	Textbook and e-content
		1. Problem-solving skills	Problem-solving skills	4	Lecture and Activities	Textbook and e-content
		2. Time management	Time management	4	Lecture and Activities	Textbook and e-content
		Tutorial	Tutorial on Units	1	Textbook based	Textbook
April	4	Semester - IV End Exam				
				56		

Signature of the Teacher



Signature of Head of the Department
Department of English
Arts Science & Commerce College, Kolhar

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Pravara Rural Education Society's

Arts, Science and Commerce College, Kolhar

Department of English

Teaching Plan

Academic Year: 2020-21



Class: SYBA

Subject: Optional English (DSC-1A)

Name of the Teacher: Parameshwar B. Vikhe

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	2	Introduction of the Course	Course Content and Purpose of the paper	2	Lecture	Textbook and Syllabus
		Objectives of the course & Outcomes	Explanation of objectives and Discussion on Outcome	2	Lecture	Syllabus
July	4	1. Drama, the Literary Form	Origin and History of Drama	3	Lecture and PPT	Textbook, Reference Book and e-content
		1. Drama, the Literary Form	Drama as a genre	3	Lecture	Textbook, Reference Book and e-content
		2. Drama, the Performing Art Form	Performing Arts and Drama	4	Lecture	Textbook, Reference Book and e-content
		i) Literary Elements	Theme, Plot, Characters	3	Lecture and PPT	Textbook, Reference Book and e-content
August	4	Literary Elements:	Diction, Conflict, Setting etc.	4	Lecture and PPT	Textbook, Reference Book and e-content
		ii) Theatrical Elements:	Stage directions, Light effects, Music	2	Lecture and PPT	Textbook, Reference Book and e-content
		Theatrical Elements	Costumes, Stage property, Makeup etc	4	Lecture and PPT	Textbook, Reference Book and e-content
		Test - I	Test - I	1	MCQs	Based on Units

		4. Types of Drama (Problem play, Absurd drama)	Tragedy, Comedy, Tragicomedy, Problem play, Absurd drama	3	Lecture and PPT	Textbook, Reference Book and e-content
September	1	5. An Introduction to Minor Forms of Drama:	One-act-play, Skit, Street play, a short Radio play, Pantomime etc.	3	Lecture and PPT	Textbook, Reference Book and e-content
	2	Test - II	Test - II	1	Short Answer questions	Based on Units
	2	A Midsummer Night's Dream by William Shakespeare	Life and work of Shakespeare, About prescribed play	3	Lecture	Original Text and e-content
	3	A Midsummer Night's Dream	Introduction to Characters of the Play	3	Lecture	Original Text
	4	A Midsummer Night's Dream	Act-I Reading and Analysis	3	Lecture and Screening of Movie	Original Text
October	1	A Midsummer Night's Dream	Act-II Reading and Analysis	3	Lecture and Screening of Movie	Original Text
	2	A Midsummer Night's Dream	Act-III & IV Reading and Analysis	3	Lecture and Screening of Movie	Original Text
	3	A Midsummer Night's Dream	Act-IV Reading and Analysis and Plot Structure	3	Lecture and Screening of Movie	Original Text
	4	A Midsummer Night's Dream	Discussion on elements based practical questions	2	Lecture	Reference Book and e-content
	4	Tutorial	Tutorial	1	Textbook based	Textbook
November	4	Semester - III End Exam				
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Semester - II

December	4	Arms and the Man by George Bernard Shaw	Life and work of Shaw, About prescribed play	4	Lecture	Original Text and e-content
		Arms and the Man by George Bernard Shaw	Introduction to Characters of the Play	3	Lecture	Original Text
		Arms and the Man by George Bernard Shaw	Act-I Reading and Analysis	4	Lecture and Screening of Movie	Original Text
		Arms and the Man by George Bernard Shaw	Act-I Reading and Analysis	3	Lecture and Screening of Movie	Original Text

January	4	Arms and the Man by George Bernard Shaw	Act-II Reading and Analysis	4	Lecture and Screening of Movie	Original Text
		Arms and the Man by George Bernard Shaw	Act-II Reading and Analysis	3	Lecture and Screening of Movie	Original Text
		Arms and the Man by George Bernard Shaw	Act-III Reading and Analysis	4	Lecture and Screening of Movie	Original Text
		Arms and the Man by George Bernard Shaw	Discussion on elements based practical questions	2	Lecture	Reference Book and e-content
		Test- I	Test- I	1	MCQs	Based on Units
February	4	The Fire and the Rain by Girish Karnad	Life and work of Karnad, About prescribed play	3	Lecture	Original Text and e-content
		The Fire and the Rain by Girish Karnad	Introduction to Characters of the Play	4	Lecture	Original Text
		The Fire and the Rain by Girish Karnad	Act-I Reading and Analysis	3	Lecture and Screening of Movie	Original Text
		The Fire and the Rain by Girish Karnad	Act-I Reading and Analysis	4	Lecture and Screening of Movie	Original Text
March	4	The Fire and the Rain by Girish Karnad	Act-II Reading and Analysis	3	Lecture and Screening of Movie	Original Text
		The Fire and the Rain by Girish Karnad	Act-II Reading and Analysis	4	Lecture and Screening of Movie	Original Text
		The Fire and the Rain by Girish Karnad	Act-III Reading and Analysis	3	Lecture and Screening of Movie	Original Text
		Test -II	Test -II	1	Short Answer questions	Based on Units
		The Fire and the Rain by Girish Karnad	Discussion on elements based practical questions	2	Lecture	Reference Book and e-content
		Tutorial	Tutorial	1	Textbook based	Textbook
April	4	Semester - IV End Exam				
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 Signature of the Teacher






 Signature of Head of the Department
 Department of English
 Arts Science & Commerce College, Kolhar


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Pravara Rural Education Society's

Arts, Science and Commerce College, Kolhar

	Department of English Teaching Plan Academic Year: 2020-21	
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Class: SYBA

Subject: Discipline Specific Course (DSC-2A)
(Old Special Paper-II)

Mr. R.S. Mali

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Introduction to the Syllabus		04	Lecture, PPT	Textbook, Reference books
	4	Theory of Poetry	(a) What is poetry? Significant development in the art of poetry during major periods	05	Lecture, PPT	Textbook, Reference books
July	1	Theory of Poetry	(b) Elements of poetry: Rhythm, Meter, Sound Structure	05	Lecture, PPT	Textbook, Reference books
	2	Theory of Poetry	Stanza Forms (c) Figures of Speech, Symbols, Imagery, Simile, Metaphor, Personification	05	Lecture, PPT	Textbook, Reference books
	3	Theory of Poetry	Other Poetic Devices like Repetition and Contrast. (d) Types of Poetry: Elegy, Sonnet,	05	Lecture, PPT	Textbook, Reference books
	4	Theory of Poetry	Dramatic Monologue, Lyric, Ode, Ballad	04	Lecture, PPT	Textbook, Reference books

August	1	Theory of Poetry	Revision of Theory of Poetry	04	Lecture, PPT	Textbook
	2	B) Poems:	1 The Nightingale- Philip Sidney	04	Lecture, PPT	Reference books
	3	B) Poems:	2 Sonnet 3- William Shakespeare	04	Lecture, PPT	Textbook
	4	B) Poems:	3 The Sun Rising- John Donne	04	Lecture, PPT	Reference books
September	1	B) Poems:	4 London- William Blake	04	Lecture, PPT	Textbook
	2	B) Poems:	5 Ode on a Grecian Urn- John Keats	04	Lecture, PPT	Reference books
	3	B) Poems:	6 To a Skylark- P. B. Shelley	04	Lecture, PPT	Textbook
	4		Revision	04	Lecture, PPT	Reference books
October	1		Revision	04	Lecture, PPT	Textbook
	2		Mid- sem Exam	--	--	Reference books
	3		Mid- sem Exam	--	--	--
	4		Mid- sem Exam	--	--	--
November	1		Diwali Vacation	--	--	--
	2		Diwali Vacation	--	--	--
	3		Diwali Vacation	--	--	--
	4		Diwali Vacation	--	--	--

Semester - II						
December	1	B) Poems:	Poems: 45 Clock Hours 1 My Last Duchess- Robert Browning	04	Lecture, PPT	Textbook
	2	B) Poems:	1 My Last Duchess- Robert Browning 2 Sailing to Byzantium- W. B. Yeats	04	Lecture, PPT	Reference books
	3	B) Poems:	2 Sailing to Byzantium- W. B. Yeats	04	Lecture, PPT	Textbook
	4	B) Poems:	3 Futility- Wilfred Owen	04	Lecture, PPT	Reference books
January	1	B) Poems:	4 A Bird Came Down the Walk-	04	Lecture, PPT	Textbook

			Emily Dickinson			Reference books
	2	B) Poems:	5. Talking in Their Sleep- Edith M. Thomas	04	Lecture, PPT	Textbook, Reference books
	3	B) Poems:	6. What Is Life- John Clare	04	Lecture, PPT	Textbook, Reference books
	4	B) Poems:	7. Sympathy- Paul Laurence Dunbar	04	Lecture, PPT	Textbook, Reference books
February	1	B) Poems:	8. The Awakening- James Weldon Johnson	04	Lecture, PPT	Textbook, Reference books
	2	B) Poems:	9. The Wind- Amy Lowell	04	Lecture, PPT	Textbook, Reference books
	3	B) Poems:	10. Freedom- Rabindranath Tagore	04	Lecture, PPT	Textbook, Reference books
	4	B) Poems:	11. Caged Bird- Maya Angelou	04	Lecture, PPT	Textbook, Reference books
March	1	B) Poems:	12. Failure of Communication- Judith Wright	04	Lecture, PPT	Textbook, Reference books
	2	B) Poems:	Revision	04	Lecture, PPT	Textbook, Reference books
	3	B) Poems:	Revision	04	Lecture, PPT	Textbook, Reference books
	4	B) Poems:	Revision	04	Lecture, PPT	Textbook, Reference books
April	1	Sem 4 Exam	Sem 4 Exam	--	--	--
	2	Sem 4 Exam	Sem 4 Exam	--	--	--
	3	Sem 4 Exam	Sem 4 Exam	--	--	--
	4	Sem 4 Exam	Sem 4 Exam	--	--	--

Signature of the Teacher

Head
Department of English
Arts Science & Commerce College, Kolhar



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Arts, Science and Commerce College, Kolhar
Department of English
Teaching Plan
Academic Year: 2020-21



Class: SYBA

Subject: Optional English (SEC-1A)

Name of the Teacher: Parameshwar B. Vikhe

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - III						
June	2	Introduction of the Course	Course Content and Purpose of the paper	2	Lecture	Textbook and Syllabus
		Objectives of the course & Outcomes	Explanation of objectives and Discussion on Outcome	2	Lecture	Syllabus
July	4	Phonology	1. Organs of speech, speech mechanisms,	3	Lecture and PPT	Textbook, Reference Book and e-content
		Phonology	2. Description and classification of consonants	4	Lecture and PPT	Textbook, Reference Book and e-content
		Phonology	3. Concept of syllable,	3	Lecture and PPT	Textbook, Reference Book and e-content
		Phonology	4. Word accent, sentence accent,	4	Lecture and Audio Practice	Textbook, Reference Book, e-content and CDs
		Phonology	5. Tone groups, placement of nuclear/tonic accent, Concept of intonation, uses/types of tones	4	Lecture and Audio Practice	Textbook, Reference Book, e-content and CDs

August	4	Test -I	Test -I	1	MCQs	Based on Units
		Morphology	1. What is morphology?	3	Lecture and PPT	Textbook, Reference Book and e-content
		Morphology	2. Concept of morpheme, allomorph, zero allomorph, types of morphemes (free and -bound),	4	Lecture and PPT	Textbook, Reference Book and e-content
September	4	Morphology	Prefixes and Suffixes (class-changing and class-	4	Lecture and PPT	Textbook, Reference Book and e-content
		Morphology	3. Inflectional and Derivational suffixes, borrowings	4	Lecture and PPT	Textbook, Reference Book and e-content
		Test - II	Test - II	1	Short Answer questions	Based on Units
		Sociolinguistics	1. National varieties of English: British, American and Indian	4	Lecture	Textbook, Reference Book and e-content
October	4	Sociolinguistics	2. Regional and social dialects, standard dialect,	3	Lecture	Textbook, Reference Book and e-content
		Sociolinguistics	concept of register, formal and informal styles	3	Lecture and PPT	Textbook, Reference Book and e-content
		Sociolinguistics	3. Pidgins and Creoles,	3	Lecture and PPT	Textbook, Reference Book and e-content
		Sociolinguistics	3. Code-switching and code mixing	3	Lecture and PPT	Textbook, Reference Book and e-content
		Tutorial	Tutorial	1	Textbook based	Textbook
November	4	Semester - III End Exam				
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Semester - IV

December	4	Syntax (Phrases)	1. Concept of Phrase, Phrase structure rules/ types of Phrases: Noun phrase, Adjective phrase, Adverb phrase, Prepositional phrase and Verb phrase.	4	Lecture and PPT	Textbook, Reference Book and e-content
		Syntax (Clauses)	2. Concept of Clause, Parts of Clauses: Subjects and objects, complements and	4	Lecture and PPT	Textbook, Reference Book and e-content
		Syntax (Clauses)	Adverbials, Concept of Subject –verb Concord, Clause patterns.	2	Lecture and PPT	Textbook, Reference Book and e-content
		Syntax (Sentence)	3. Types of Sentences: Structural Classification - Simple Sentence, Compound Sentence and Complex sentence	3	Lecture and PPT	Textbook, Reference Book and e-content
		Test -I	Test -I	1	MCQs	Based on Units
January	4	Syntax (Sentence)	4. Types of Sentences: Functional Classification - Affirmatives/interrogatives/imperatives- Wh –questions, Yes-No Questions, Tag Questions, Negative Sentences, Do-support, Imperatives	4	Lecture and PPT	Textbook, Reference Book and e-content
		Semantics	1. What is Semantics? Difference between Denotative and Connotative meaning.	4	Lecture and PPT	Textbook, Reference Book and e-content
		Semantics	2. Lexical relations: Synonymy, Antonymy, Homonymy, Homography	3	Lecture and PPT	Textbook, Reference Book and e-content
		Semantics	Homophony, Polysemy, Difference between Homonymy and Polysemy,	4	Lecture and PPT	Textbook, Reference Book and e-content

February	4	Semantics	Superordinate terms and Hyponymy, Metonymy.	4	Lecture and PPT	Textbook, Reference Book and e-content
		Test - II	Test - II	1	Short Answer questions	Based on Units
		Pragmatics	1. What is Pragmatics?	3	Lecture and PPT	Textbook, Reference Book and e-content
		Pragmatics	2. Speech Acts: Types a. Austin's typology - locutionary, illocutionary, perlocutionary.	4	Lecture and PPT	Textbook, Reference Book and e-content
March	4	Pragmatics	b. Searle's typology – the six types	4	Lecture and PPT	Textbook, Reference Book and e-content
		Pragmatics	c. Direct and Indirect Speech Acts	3	Lecture and PPT	Textbook, Reference Book and e-content
		Pragmatics	3. The Co-operative Principle and Its Maxims	4	Lecture and PPT	Textbook, Reference Book and e-content
		Pragmatics	4. The Politeness Principle and Its Maxims	3	Lecture and PPT	Textbook, Reference Book and e-content
		Tutorial	Tutorial	1	Textbook based	Textbook
April	4	Semester - IV End Exam				
				56		

Signature of the Teacher

Signature of Head of the Department
Department of English
Arts, Science & Commerce College, Kolhar

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KOLHAR, TAL. RAHATA, DIST. AHMEDNAGAR



**Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar**



**Department of English
Teaching Plan
Academic Year: 2020-21**



Subject: Skill Enhancement Course-

(SEC-2A)

(w.e.f-2020- 2021)

“Mastering Communication Skills”

Class: SYBA

Name of the Teacher: Mr. R. S. Mali

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission	--	--	--	--
	4	Introduction to the syllabus	--	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/ e-content
July	1	A) Introducing Yourself and Others	Introducing Yourself	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/ e-content
	2	A) Introducing Yourself and Others	Introducing Others	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/ e-content
	3	B) Joining and Leaving Conversation	B) Joining Conversation	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/ e-content

	4	B) Joining and Leaving Conversation	B) Leaving Conversation	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
August	1	C) Accepting/Declining Invitations	C) Accepting Invitations	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
	2	C) Accepting/Declining Invitations	C) Declining Invitations	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
	3	D) Asking/Giving/Refusing Permission	D) Asking Permission	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
	4	D) Asking/Giving/Refusing Permission	D) Giving Permission	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
September	1	D) Asking/Giving/Refusing Permission	D) Refusing Permission	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
	2	E) Digital Literacy for effective communication	E) Digital Literacy for effective communication	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
	3	E) Digital Literacy for effective communication	E) Digital Literacy for effective communication	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
	4	F) Project Presentation	F) Project Presentation	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
October	1	F) Project Presentation	F) Project Presentation	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content

	2	F) Project Presentation	F) Project Presentation	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
	3	Revision	Revision	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
	4	Sem 3 Exam	--	--	--	--
November	1	Sem 3 Exam	--	--	--	--
	2	Diwali Vacation	--	--	--	--
	3	Diwali Vacation	--	--	--	--
	4	Diwali Vacation	--	--	--	--
December	1	SEMESTER-IV Course content: A) Asking/Giving/Ref using Information	Asking for Information		Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
	2	A) Asking/Giving/Ref using Information	Giving Information	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
	3	A) Asking/Giving/Ref using Information	Refusing Information	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
	4	B) Agreeing/Partial Agreeing/Disagreeing	Agreeing	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
January	1	B) Agreeing/Partial Agreeing/Disagreeing	Partial Agreeing	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content

	2	B) Agreeing/Partial Agreeing/Disagreeing	Disagreeing	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
	3	C) Complaining and Apologizing	Complaining	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
	4	C) Complaining and Apologizing	Apologizing	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
February	1	D) Vocabulary Building	Use of Dictionaries and thesaurus	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
	2	D) Vocabulary Building	Word-formation processes	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
	3	E) Delivering a Speech	Selecting topic and collecting points for speech	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
	4	E) Delivering a Speech	Rough and fair draft of Speech and intonation	02		Textbook/Ref. Book/e-content
March	1	F) CALL and MALL for effective communication (CALL-Computer-assisted Language Learning & MALL-Mobile-assisted Language Learning)	CALL-Computer-assisted Language Learning	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content
	2	F) CALL and MALL for effective communication (CALL-Computer-assisted Language Learning & MALL-Mobile-assisted Language Learning)	MALL- Mobile-assisted Language Learning	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/e-content

	Learning)				
3	Revision	Revision	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/ e-content
4	Revision	Revision	02	Lecture/PPT/Group Discussion/Role Play	Textbook/Ref. Book/ e-content
April	1	Sem 4 Exam	--	--	--
	2	Sem 4 Exam	--	--	--
	3	Sem 4 Exam	--	--	--
	4	Sem 4 Exam	--	--	--


Signature of the Teacher


Head
Department of English
Arts Science & Commerce College, Kolhar




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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar



Department of English
Teaching Plan
Academic Year: 2020-21



Class: TYBA

Subject: Compulsory English

Name of the Teacher: Mr. R. S. Mali

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Unit-1: Text- Literary Pinacles: Prose	Uncle Podger Hangs a Picture	02	Lecture	Textbook, PPT
	4	Unit-1: Prose	Uncle Podger Hangs a Picture	02	Lecture	Textbook, PPT
July	1	Unit-1: Prose	How Wealth Accumulates...	04	Lecture	Textbook, PPT
	2	Unit-1: Prose	How Wealth Accumulates...	04	Lecture	Textbook, PPT
	3	Unit-1: Prose	Retrieved Information	04	Lecture	Textbook, PPT

	4	Unit-1: Prose	Retrieved Information	04	Lecture	Textbook, PPT
August	1	Unit-1: Prose	How Much Land....	04	Lecture	Textbook, PPT
	2	Unit-1: Prose	How Much Land....	04	Lecture	Textbook, PPT
	3	Unit-2: Poetry	All the World is a Stage	04	Lecture	Textbook, PPT
	4	Unit-2: Poetry	La Bella Dame Sans Merci	04	Lecture	Textbook, PPT
September	1	Unit-2: Poetry	Charge of the Light Brigade	04	Lecture	Textbook, PPT
	2	Unit-2: Poetry	How Much Do I Love You	04	Lecture	Textbook, PPT
	3	Unit-3: Grammar	Transformation of Sentences	04	Lecture	Textbook, PPT
	4	Unit-3: Grammar	Transformation of Sentences	04	Lecture	Textbook, PPT
October	1	Unit-4: Communication Skills	An Introduction to Communication Skills	04	Lecture	Textbook, PPT
	2		An Introduction to	04	Lecture	Textbook, PPT

		Unit-4: Communication Skills	Communication Skills			
	3	Term-End Exam	--	--	--	--
	4	Term-End Exam	--	--	--	--
December	1	Unit-1: Prose	On the Rule of the Road	04	Lecture	Textbook, PPT
	2	Unit-1: Prose	On the Rule of the Road	04	Lecture	Textbook, PPT
	3	Unit-1: Prose	Pleasures of Ignorance	04	Lecture	Textbook, PPT
	4	Unit-1: Prose	Pleasures of Ignorance	04	Lecture	Textbook, PPT
January	1	Unit-1: Prose	The Selfish Giant	04	Lecture	Textbook, PPT
	2	Unit-1: Prose	The Selfish Giant	04	Lecture	Textbook, PPT
	3	Unit-1: Prose	The Diamond Necklace	04	Lecture	Textbook, PPT
	4	Unit-1: Prose	The Diamond Necklace	04	Lecture	Textbook, PPT
February	1	Unit-2: Poetry	The Ballad of Father Gilligan	04	Lecture	Textbook, PPT
	2	Unit-2: Poetry	If-	04	Lecture	Textbook, PPT

March	3	Unit-2- Poetry	A Psalm of Life	04	Lecture	Textbook, PPT
	4	Unit 4	Presentation Skills	04	Lecture	Textbook, PPT
	1	Unit 4	Presentation Skills	04	Lecture	Textbook, PPT
	2	Unit 4	Intoduction to Soft Skills	04	Lecture	Textbook, PPT
	3	Unit 4	Intoduction to Soft Skills	04	Lecture	Textbook, PPT
	4	--	Revision	--	Lecture	Textbook, PPT

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Arts, Science and Commerce College, Kolhar
Department of English
Teaching Plan
Academic Year: 2020-21



Class: TYBA

Subject: Optional English (Spl- III)

Name of the Teacher: Parameshwar B. Vikhe

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Term - 1						
June	2	Introduction of the Course	Course Content and Purpose of the paper	1	Lecture	Textbook and Syllabus
		Objectives of the course & Outcomes	Explanation of objectives and Discussion on Outcomes	1	Lecture	Syllabus
July	4	A) Theory of Novel	(a) What is Novel? A brief history of novel as a literary form	3	Lecture and PPT	Reference Book and e-content
		A) Theory of Novel	(b) Elements of Novel: Theme, Characters, Plot, Structure Narrative	4	Lecture and PPT	Reference Book and e-content
		A) Theory of Novel	Techniques, Point of view, Conflict, Setting and atmosphere, Dialogue	3	Lecture and PPT	Reference Book and e-content
		A) Theory of Novel	(c) Types of Novel: epistolary, picaresque, bildungsroman, historical, regional,	4	Lecture and PPT	Reference Book and e-content

August	4	A) Theory of Novel	Psychological, satire, realistic, experimental novel, science fiction	3	Lecture and PPT	Reference Book and e-content
		Test -I	Test -I	1	MCQs	Based on Units
		A) Theory of Novel	(d) In addition to this other literary terms related to novel/fiction be considered for background study	3	Lecture and PPT	Reference Book and e-content
		B) Animal Farm- George Orwell	Life and Work of George Orwell	5	Lecture and PPT	Textbook, Reference Book and e-content
September	4	B) Animal Farm- George Orwell	Characterization of the novel	5	Lecture and PPT	Textbook, Reference Book and e-content
		B) Animal Farm- George Orwell	Chapter -1 & 2 Reading and Critical Analysis	5	Lecture, PPT and Scening of Movie	Textbook, Reference Book and e-content
		Test - II	Test - II	1	Short Answer questions	Based on Units
		B) Animal Farm- George Orwell	Chapter -3 & 4 Reading and Critical Analysis	5	Lecture, PPT and Scening of Movie	Textbook, Reference Book and e-content
October	4	B) Animal Farm- George Orwell	Chapter -5 & 6 Reading and Critical Analysis	3	Lecture, PPT and Scening of Movie	Textbook, Reference Book and e-content
		B) Animal Farm- George Orwell	Chapter -7 & 8 Reading and Critical Analysis	3	Lecture, PPT and Scening of Movie	Textbook, Reference Book and e-content
		B) Animal Farm- George Orwell	Chapter -9 & 10 Reading and Critical Analysis	3	Lecture, PPT and Scening of Movie	Textbook, Reference Book and e-content
		B) Animal Farm- George Orwell	Critical Questions discussion	3	Lecture and PPT	Textbook, Reference Book and e-content
		Tutorial	Tutorial	1	Textbook based	Textbook
November	4	Term End Exam				
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Term - 2


		A) The Old Man and the Sea – Ernest Hemingway	Life and Work of Ernest Hemingway	4	Lecture and PPT	Textbook, Reference Book and e-content
		A) The Old Man and the Sea – Ernest Hemingway	Characterization of the novel	4	Lecture and PPT	Textbook, Reference Book and e-content

December	4	A) The Old Man and the Sea – Ernest Hemingway	Reading and Critical Analysis	2	Lecture, PPT and Scening of Movie	Textbook, Reference Book and e-content
		A) The Old Man and the Sea – Ernest Hemingway	Reading and Critical Analysis	3	Lecture, PPT and Scening of Movie	Textbook, Reference Book and e-content
		Test -I	Test -I	1	MCQs	Based on Units
January	4	A) The Old Man and the Sea – Ernest Hemingway	Reading and Critical Analysis	4	Lecture, PPT and Scening of Movie	Textbook, Reference Book and e-content
		A) The Old Man and the Sea – Ernest Hemingway	Reading and Critical Analysis	4	Lecture, PPT and Scening of Movie	Textbook, Reference Book and e-content
		A) The Old Man and the Sea – Ernest Hemingway	Reading and Critical Analysis	3	Lecture, PPT and Scening of Movie	Textbook, Reference Book and e-content
		A) The Old Man and the Sea – Ernest Hemingway	Critical Questions discussion	4	Lecture and PPT	Textbook, Reference Book and e-content
February	4	B) The Guide – R. K. Narayan	Life and Work of R.K. Narayan	4	Lecture and PPT	Textbook, Reference Book and e-content
		Test - II	Test - II	1	Short Answer questions	Based on Units
		B) The Guide – R. K. Narayan	Characterization of the novel	3	Lecture and PPT	Textbook, Reference Book and e-content
		B) The Guide – R. K. Narayan	Reading and Critical Analysis	4	Lecture, PPT and Scening of Movie	Textbook, Reference Book and e-content
March	4	B) The Guide – R. K. Narayan	Reading and Critical Analysis	4	Lecture, PPT and Scening of Movie	Textbook, Reference Book and e-content
		B) The Guide – R. K. Narayan	Reading and Critical Analysis	3	Lecture, PPT and Scening of Movie	Textbook, Reference Book and e-content
		B) The Guide – R. K. Narayan	Reading and Critical Analysis	4	Lecture, PPT and Scening of Movie	Textbook, Reference Book and e-content
		B) The Guide – R. K. Narayan	Critical Questions discussion	3	Lecture and PPT	Textbook, Reference Book and e-content
		Tutorial	Tutorial	1	Textbook based	Textbook
April	4	Semester - IV End Exam				
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Signature of the Teacher




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Arts Science & Commerce College, Kolhar


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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar



Department of English
Teaching Plan
Academic Year: 2020-21



Class: TYBA

Subject: SPECIAL English- 4

Name of the Teacher: Mr. R. S. Mali

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Background study of literary criticism	Definition, origin, principles, types, and functions of literary criticism	04	Lecture, PPT	Textbook, Reference books
	4	Background study of literary criticism	Classical criticism (Plato's charges against poetry)	04	Lecture, PPT	Textbook, Reference books
July	1	Short survey of literary criticism-critical approaches/movements	Aristotle's theory of imitation	04	Lecture, PPT	Textbook, Reference books
	2	Short survey of literary criticism-critical approaches/movements	Neo-classical criticism-John Dryden's interpretation of classical ideas	04	Lecture, PPT	Textbook, Reference books

	3	Short survey of literary criticism-critical approaches/movements	Samuel Johnson's justification of Shakespeare's intermingling of tragedy and comedy	04	Lecture, PPT	Textbook, Reference books
	4	Short survey of literary criticism-critical approaches/movements	Alexander Pope's views on wit and Nature	04	Lecture, PPT	Textbook, Reference books
August	1	Short survey of literary criticism-critical approaches/movements	Romanticism -William Wordsworth's definition of poetry	04	Lecture, PPT	Textbook, Reference books
	2	Short survey of literary criticism-critical approaches/movements	S. T. Coleridge's concept of fancy and imagination	04	Lecture, PPT	Textbook, Reference books
	3	Short survey of literary criticism-critical approaches/movements	Victorian criticism -Matthew Arnold's views about the function of criticism	04	Lecture, PPT	Textbook, Reference books
	4	Short survey of literary criticism-critical approaches/movements	Walter Pater's concept of art for art's sake	04	Lecture, PPT	Textbook, Reference books
September	1	Short survey of literary criticism	Modernism (T.S. Eliot's concept of tradition	04	Lecture, PPT	Textbook, Reference books
	2	Short survey of literary criticism	I. A Richards's four kinds of meaning	04	Lecture, PPT	Textbook, Reference books

	3	Short survey of literary criticism	New Criticism-Allen Tate's concept of tension	04	Lecture, PPT	Textbook, Reference books
	4	Short survey of literary criticism	Cleanth Brooks's notion of paradox as the structure of poetry	04	Lecture, PPT	Textbook, Reference books
October	1	Short survey of literary criticism	Marxist criticism -George Lucaks' concept of realism	04	Lecture, PPT	Textbook, Reference books
	2	Literary/Critical Terms	catharsis, plot, the sublime, three unities	04	Lecture, PPT	Textbook, Reference books
	3	Literary/Critical Terms	classic, decorum, and nature, diction, fancy and imagination, author, canon, style, subjective and objective	04	Lecture, PPT	Textbook, Reference books
	4	Term-End Exam	--	--	--	--
December	1	UNIT-I Critical Essays:	1) John Dryden: An Essay of Dramatic Poesy	04	Lecture, PPT	Textbook, Reference books
	2	UNIT-I Critical Essays:	1) John Dryden: An Essay of Dramatic Poesy	04	Lecture, PPT	Textbook, Reference books
	3	UNIT-I Critical Essays:	2) S. T. Coleridge: Chapter 14 (from Part II	04	Lecture, PPT	Textbook, Reference books
	4	UNIT-I Critical Essays:	2) S. T. Coleridge: Chapter 14 (from Part II	04	Lecture, PPT	Textbook, Reference books
January	1	UNIT-II Critical Essays:	Helen Gardner: The Sceptre and the Torch	04	Lecture, PPT	Textbook, Reference books
	2	UNIT-II Critical Essays:	Helen Gardner: The Sceptre and the Torch	04	Lecture, PPT	Textbook, Reference books
	3	UNIT-II Critical Essays:	Northrop Fry: Criticism: Visible and Invisible	04	Lecture, PPT	Textbook, Reference books
	4	UNIT-II Critical Essays:	Northrop Fry: Criticism: Visible and Invisible	04	Lecture, PPT	Textbook, Reference books
February	1	UNIT-III Literary/critical terms	allegory, allusion, ambiguity, setting, satire, genre, irony	04	Lecture, PPT	Textbook, Reference books

	2	UNIT-III Literary/critical terms	metaphor, connotation and denotation, point of view, round and flat characters	04	Lecture, PPT	Textbook, Reference books
	3	UNIT-IV Practical criticism	Text	04	Lecture, PPT	Textbook, Reference books
	4	UNIT-IV Practical criticism	Text	04	Lecture, PPT	Textbook, Reference books
March	1	UNIT-IV Practical criticism	Poems	04	Lecture, PPT	Textbook, Reference books
	2	UNIT-IV Practical criticism	Poems	04	Lecture, PPT	Textbook, Reference books
	3	UNIT-IV Practical criticism	Passages from Plays	04	Lecture, PPT	Textbook, Reference books
	4	UNIT-IV Practical criticism	Passages from Plays	04	Lecture, PPT	Textbook, Reference books
April	1	Revision		04	Lecture, PPT	Textbook, Reference books

Signature of the
Teacher


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Arts, Science and Commerce College, Kolhar
Department of English
Teaching Plan
Academic Year: 2020-21



Class: TYBA

Subject: Optional English Gen- III

Name of the Teacher: Parameshwar B. Vikhe

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Term -I						
June	2	Introduction of the Course	Course Content and Purpose of the paper	1	Lecture	Textbook and Syllabus
		Objectives of the course & Outcomes	Explanation of objectives and Discussion on Outcome	2	Lecture	Syllabus
July	4	1. Henry Derozio – Song of the Hindustanee Minstrel	Life and Work of Poet and Analysis of poem	3	Lecture and PPT	Textbook, Reference Book and e-content
		2. Rabindranath Tagore – Silent Steps	Life and Work of Poet and Analysis of poem	4	Lecture and PPT	Textbook, Reference Book and e-content
		3. Swami Vivekananda – Peace	Life and Work of Poet and Analysis of poem	2	Lecture and PPT	Textbook, Reference Book and e-content
		4. Sarojini Naidu – Song of Radha, the	Life and Work of Poet and Analysis of poem	3	Lecture and PPT	Textbook, Reference Book and e-content
		5. Nissim Ezekiel – Poet, Lover, Birdwatcher	Life and Work of Poet and Analysis of poem		Lecture and PPT	Textbook, Reference Book and e-content
		6. Kamala Das – An Introduction	Life and Work of Poet and Analysis of poem	3	Lecture and PPT	Textbook, Reference Book and e-content

August	4	Test -I	Test -I	1	MCQs	Based on Units
		Syntax	Concept of Phrase, Phrase structure rules/ types of Phrases: Noun phrase,	4	Lecture and PPT	Textbook, Reference Book and e-content
		Syntax	Adjective phrase, Adverb phrase, Prepositional phrase and Verb phrase.	4	Lecture and PPT	Textbook, Reference Book and e-content
September	4	Syntax	2. Concept of Clause, Parts of Clauses: Subjects and objects,	4	Lecture and PPT	Textbook, Reference Book and e-content
		Syntax	Complements and Adverbials, Concept of Subject –verb Concord, Clause patterns.	5	Lecture and PPT	Textbook, Reference Book and e-content
		Syntax	3. Types of Sentences: Structural Classification - Simple Sentence, Compound Sentence and Complex sentence	5	Lecture and PPT	Textbook, Reference Book and e-content
		Test - II	Test - II	1	Short Answer questions	Based on Units
October	4	Syntax	4. Types of Sentences: Functional Classification - (affirmatives/interrogatives/imperatives)	5	Lecture	Textbook, Reference Book and e-content
		Syntax	Wh –questions, Yes-No Questions, Tag	3	Lecture and PPT	Textbook, Reference Book and e-content
		Syntax	Wh –questions, Yes-No Questions, Tag Questions	2	Lecture and PPT	Textbook, Reference Book and e-content
		Syntax	Negative Sentences, Do-support, Imperatives	3	Lecture and PPT	Textbook, Reference Book and e-content
		Tutorial	Tutorial	1	Textbook based	Textbook
November	4	Term End Exam				
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Term -II

December	4	7. A.K. Ramanujan –The Striders	Life and Work of Poet and Analysis of poem	4	Lecture and PPT	Textbook, Reference Book and e-content
		8. Adil Jussawala – Sea Breeze Bombay	Life and Work of Poet and Analysis of poem	4	Lecture and PPT	Textbook, Reference Book and e-content
		9. Jayant Mahapatra – The Captive Air of Chandipur-on-Sea	Life and Work of Poet and Analysis of poem	2	Lecture and PPT	Textbook, Reference Book and e-content
		10. Arun Kolatkar – The Bus	Life and Work of Poet and Analysis of poem	3	Lecture and PPT	Textbook, Reference Book and e-content
		Test -I	Test -I	1	MCQs	Based on Units
January	4	11. Agha Shahid Ali – The Season of the Plains	Life and Work of Poet and Analysis of poem	3	Lecture and PPT	Textbook, Reference Book and e-content
		12. Mamta Kalita - Tribute to Papa	Life and Work of Poet and Analysis of poem	3	Lecture and PPT	Textbook, Reference Book and e-content
		Semantics	What is Semantics? Difference between Denotative and Connotative meaning.2. Lexical relations: Synonymy, Antonymy, Homonymy, Homography	5	Lecture and PPT	Textbook, Reference Book and e-content
		Semantics	Homophony, Polysemy, Difference between Homonymy and Polysemy,	4	Lecture and PPT	Textbook, Reference Book and e-content
February	4	Semantics	Superordinate terms and Hyponymy, Metonymy.	4	Lecture and PPT	Textbook, Reference Book and e-content
		Test - II	Test - II	1	Short Answer questions	Based on Units
		Pragmatics	1. What is Pragmatics?	3	Lecture and PPT	Textbook, Reference Book and e-content
		Pragmatics	2. Speech Acts: Types a. Austin's typology - locutionary, illocutionary, perlocutionary.	4	Lecture and PPT	Textbook, Reference Book and e-content
		Pragmatics	b. Searle's typology – the six types	4	Lecture and PPT	Textbook, Reference Book and e-content

March	4	Pragmatics	c. Direct and Indirect Speech Acts	3	Lecture and PPT	Textbook, Reference Book and e-content
		Pragmatics	3. The Co-operative Principle and Its Maxims	4	Lecture and PPT	Textbook, Reference Book and e-content
		Pragmatics	4. The Politeness Principle and Its Maxims	3	Lecture and PPT	Textbook, Reference Book and e-content
		Tutorial	Tutorial	1	Textbook based	Textbook
April	4	University Exams				
				56		


Signature of the Teacher


Signature of Head of the Department
Department of English
Arts Science & Commerce College, Kolhar


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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar
Department of English
Teaching Plan
Academic Year: 2020-21



Class: FYBCom Subject: Compulsory English

Name of the Teacher: Parameshwar B. Vikhe

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	2	Introduction of the Course	Course Content and Purpose of the paper	2	Lecture	Textbook and Syllabus
		Objectives of the course & Outcomes	Explanation of objectives and Discussion on Outcome	2	Lecture	Syllabus
July	4	Unit-I- The Beggar- Anton Chekhov	Biographical Details of Anton Chekhov	2	Lecture	Textbook and e-content
		Unit-I- The Beggar- Anton Chekhov	Discussion on Short Story	4	Lecture and Screening of Movie	Textbook and e-content
		Unit-II- Black Money and the Black Economy- C. Rammanohar Reddy	Biographical Details of C. Rammanohar Reddy and Discussion on Article	5	Lecture	Textbook and e-content
		Unit-III- The Nightingale and the Rose- Oscar Wilde	Biographical Details of Oscar Wilde and Discussion Story	5	Lecture and Screening of Movie	Textbook and e-content
August	4	Unit-IV- Muhammad Yunus: An Economics for Peace- Farida Khan	Biographical Details of Farida Khan and Discussion on Biographical Essay	5	Lecture	Textbook
		Test -I	Test on Discussed units	1	MCQs	Based on Units
		Unit-V- Up-Hill- Christina Rossetti	Biographical details of Poet and About theme of Poem Analysis of Poem	4	Lecture and Screening of Movie	Textbook and e-content

		Unit-VI- Stay Calm- Grenville Kleiser	Biographical details of Poet and About the Poem Analysis of Poem	4	Lecture	Textbook and e-content
September	4	Communication and Life Skills	Background and Importance of Communication and Life Skills	2	Lecture	Textbook
		Unit-VII- Meeting and Greeting People and Dialogue Writing	Greeting, Introducing yourself, Introducing other and other dialogues	5	Lecture and Role plays	Textbook and e-content
		Unit-VIII- Group Discussions, Interview and Interviewing Skills	Group Discussion	4	Lecture and Role plays	Textbook and e-content
		Unit-VIII- Group Discussions, Interview and Interviewing Skills	Interview and Interviewing Skills	2	Lecture and Role plays	Textbook and e-content
October	3	Unit-VIII- Group Discussions, Interview and Interviewing Skills	Interview and Interviewing Skills	2	Lecture and Role plays	Textbook and e-content
		Test-II	Test on Discussed units	1	Short Answer questions	Based on Units
		Unit-IX- Presentation Skills	Intro to Presentation Skills	4	Lecture and Role plays	Textbook and e-content
		Unit-IX- Presentation Skills	Samples of Presentations	2	Lecture and Role plays	Textbook and e-content
November		Semester - I End Exams.				
				56		

Semester - II

December	1	Unit-I - Indra Nooyi: A Corporate Giant- Indra Krishnamurthy Nooyi	Life of Indra Nooyi	2	Lecture	Textbook and e-content
	2	Unit-I - Indra Nooyi: A Corporate Giant- Indra Krishnamurthy Nooyi	Discussion on Biographical Essay	5	Lecture and Screening of Interview of Indra Nooyi	Textbook and e-content
	3	Unit-II- Appo JRD- Sudha Murthy	Biographical Details of Sudha Murthy and Discussion on JRD Tata	4	Lecture	Textbook and e-content

	4	Unit-III- Fur- Saki	Biographical Details of H.H. Munro and Discussion on Story Fur		Lecture	Textbook and e-content
January	1	Unit-IV- After Twenty Years- O' Henry	Biographical Details of O Henry and Discussion on Story	5	Lecture and Screening of Movie	Textbook and e-content
	2	Unit Test-	Unit Test -I	1	MCQs	Based on Units
	3	Unit-V- O Captain! My Captain- Walt Whitman	Biographical details of Poet and About theme of Poem Analysis of Poem	4	Lecture	Textbook and e-content
	4	Unit-VI - The Prayer for My Daughter- W. B. Yeats	Biographical details of Poet and About theme of Poem Analysis of Poem	5	Lecture	Textbook and e-content
February	1	Unit-VII- Letter Writing, Report Writing and Blog Writing	Letter Writing	4	Lecture and practical	Textbook and e-content
	2	Unit-VII- Letter Writing, Report Writing and Blog Writing	Report & Blog Writing	4	Lecture and practical	Textbook and e-content
	3	Unit-VIII- Resume Writing and E-Mails	Resume Writing	4	Lecture and practical	Textbook and e-content
	4	Unit-VIII- Resume Writing and E-Mails	Email Writing	4	Lecture and practical	Textbook and e-content
March	3	Unit-IX- Non-Verbal Communication	Non-verbal and Verbal Communication	4	Lecture	Textbook and e-content
		Unit-IX- Non-Verbal Communication	Details of Non-verbal Communication	4	Lecture	Textbook and e-content
		Unit Test	Unit Test -II	1	Short Answer questions	Based on Units
April		Semester End Exam				
				56		

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Signature of Head of the Department
Department of English
Arts Science & Commerce College, Kolhar



Department of History

Teaching Plan

Academic Year: 2020-21



Class: F.Y.B.A

Subject: Early India: From Prehistory to the Age of the Mauryas

Name of the Teacher: Dr. Bidgar A.D

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission Process				
	4					
July	1	Unit I Early India Sources and Prehistory	(a) Importance of Early History	4	Lecture	Reference Book
	2		(a) Sources and Tools of historical reconstruction – Archaeology (Material remains), Epigraphy (Inscriptions), Numismatics (Coins), Literary Sources,	4	Lecture	Reference Book
	3		Foreign accounts	4	Lecture	Reference Book
	4		Palaeolithic, Mesolithic, Neolithic and Chalcolithic Cultures: A Brief Review	4	Lecture	Reference Book

August	1	Unit II: Harappan Culture: Bronze Age Civilization	Geographical Extent, Town Planning, Trade, Religious Practices	4		Reference Book
	2		Geographical Extent, Town Planning, Trade, Religious Practices	4	Lecture	Reference Book
	3		Art, Crafts and Technology: Pottery, Seals, Beads, Images, Terracotta	4	Lecture	Reference Book
	4		Figurines Metallurgy, Script	4	Lecture	Reference Book
September	1	Unit III: Vedic Culture, Religious Protest: Jainism and Buddhism	Vedic and Later Vedic Culture: Original home, Tribal Polity, Social Divisions, Rituals and Philosophy	4	Lecture	Reference Book
	2		Jainism and Buddhism: Causes of Origin, Doctrines, Contributions and Importance	4	Lecture	Reference Book
	3		Rituals and Philosophy	4	Lecture	Reference Book
	4		Buddhism: Causes of Origin, Doctrines, Contributions and Importance	4	Lecture	Reference Book
October	1	Unit IV: Emergence of the Mahajanpadas and the Age of the Mauryas	(a) The Mahajanpadas, Rise and Growth of the Magadhan Empire	4	Lecture	Reference Book
	2		(b) The Age of the Mauryas: Chandragupta, Ashoka and his policy of Dhamma (c) The Mauryan Administration, Economy, Decline and Significance	4	Lecture	Reference Book
	3		(a) The Mahajanpadas, Rise and Growth of the Magadhan	4	Lecture	Reference Book

	4		Empire The age of mourayas chandraguptas ashoka and his policy, mouryas administration .	4	Lecture	Reference Book
December	1	Unit I: Central Asian Contacts and the Age of the Shung- Satvahanas	(a) The Indo-Greeks, The Shakas, The Parthians, The Kushanas: Economy, Society, Religion and Culture	4	Lecture	Reference Book
	2		(b) The Age of Shung- Satvahanas: Polity and Administration, Society, Economy, Culture .	4	Lecture	Reference book
	3		Polity and Administration	4	Lecture	Reference book
	4		Society economy Culture	4	Lecture	Reference book
January	1	Unit II : Early history of South India	Period of Sangam Literature – Craft	4	Lecture	Reference Book
	2		Society and Culture, early politie Economy: Towns, Trade	4	Lecture	Reference Book
	3		Economy: Towns, Trade and Craft	4	Lecture	Reference Book
	4		Economy: Towns, Trade and Craft	4	Lecture	Reference Book
February	1	Unit III: North India: Gupta and Harshvardhan	(a) The Gupta Empire – Brief Political History, Administration..	4	Lecture	Reference Book
	2		Society, Trade, science and	4	Lecture	Reference Book

technology

Harshvardhan: Administration,
Religion, Education
Religion, Education

4

Lecture

Reference Book

4

Lecture

Reference Book

March

1

Unit IV:
Regional
Kingdoms: A
Brief History

The chalukyas pallav pandya

4

Lecture

Reference Book

2

Struggle for supermcy over
peninsular india

4

Lecture

Reference Book

3

Rashtrakutas, pallavs ,
parmaras -Tripartetits struggle

4

Lecture

Reference Book

4

Literature, Religion, Art and
Architecture

4

Lecture

Reference Book

April

1

2

3

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Signature of the Teacher

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KOLHAR, TAL. BHA. DIST. N. MEDNAGAR

Arts, Science and Commerce College, Kolhar



Department of History Teaching Plan Academic Year: 2020 - 2021



Class: S.Y.B.A

Subject: History of Maratha

Name of the Teacher: Dr. Bidgar A.D

Month	Avai labl e Wee k	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Gr oup Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission Process				
	4					
July	1	Unit-I: Sources and Rise of the Maratha Power	Literary Sources: Marathi and Foreign Sources (Portuguese, English, French)	4	Lecture	Reference Book
	2		Background of the rise of Maratha Power	4	Lecture	Reference Book

	3		Background of the rise of Maratha Power	4	Lecture	Reference Book
	4		ShahajiRaje, RajmataJijabai and Early Life ofChhatrapatiShivajiMaharaj	4	Lecture	Reference Book
August	1	Unit-II: Foundation of Swarajya to the Coronation,Karnataka Expedition	Relations with Adilshahi.Javali and Afzal Khan episode and its importance	4	Lecture	Reference Book
	2		Relations with Mughals: Campaign of Shayasta Khan	4	Lecture	Reference Book
	3		Sack of Surat, expedition of Jaisingh , Visit to agra	4	Lecture	Reference Book
	4		Coronation and Karnataka Expedition	4	Lecture	Reference Book
September	1	Unit-III: Administration under ChhatrapatiShivajiMaharaj	Military	4	Lecture	Reference Book
	2		Civil	4	Lecture	Reference Book
	3		Civil	4	Lecture	References Book
	4		Administration	4	Lecture	Reference Book
October	1	Unit-IV: ChhatrapatiSambhaji Maharaj to the Maratha War of Independence	ChhatrapatiSambhajiMaharaj: Consolidation of power, Relations with Mughals	4	Lecture	Refrence Book
	2		ChhatrapatiRajaramMaharaj	4	Lecture	References Book

	3		Maharani Tarabai and Mughals	4	Lecture	References
	4		Santaji Ghorpade, Dhanaji Jadhav and Ramchandrapant Amatya	4	Lecture	References Book
November	1					
	2					
	3					
	4					
December	1	Unit-I: Consolidation and Expansion of the Maratha Power	Conflict between Maharani Tarabai and Chhatrapati Shahu Maharaj	4	Lecture	Reference Book
	2		Conflict between Maharani Tarabai and Chhatrapati Shahu Maharaj	4	Lecture	Reference Book
	3		Rise of the Peshwas: Balaji Vishwanath-Chauthai and Sardeshmukhi	4	Lecture	Reference Book
	4		Peshwa Bajirao I: South and North Expedition	4	Lecture	Reference Book
January	1	Unit II Strengthening of the Maratha Power	Peshwa Balaji Bajirao (Nanasaheb)	4	Lecture	Reference Book
	2		Third Battle of Panipath	4	Lecture	Reference Book
	3		Causes and Consequences	4	Lecture	Reference Book
	4		Causes of the defeat of the Marathas	4	Lecture	Reference Book
February	1	Unit-III Post Panipat Revival and Downfall	Peshwa Madhavrao I Barbhai Council	4	Lecture	Reference Book

	2		Role of Mahadji shinde	4	Lecture	Reference Book
	3		Role of Nana Phadnis	4	Lecture	Reference Book
			Downfall of Maratha Power	4	Lecture	Reference Book
	4					
March		Unit-IV: Administration and Society during Peshwa Period	Maratha Confederacy	4	Lecture	Reference Book
	1					
	2		Economic Condition	4	Lecture	Reference Book
	3		Society: Caste System and	4	Lecture	Reference Book
	4		Position of Women	4	Lecture	Reference Book
April	1					
	2					
	3					
	4					


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Department of History
Teaching Plan
Academic Year: 2020-21



Class: T.Y.B.A		Subject: History General(History of the World in 20 th century)			Name of the Teacher: Dr. Bidgar A.D	
Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission Process				
	4					
July	1	CONCEPTUAL STUDY	Capitalism Economic Imperialism Dictatorship	4	Lecture	Reference Book
	2		Communism Socialism Nazism Fascism	4	Lecture	Reference Book
	3		Cold War Non – Alignment	4	Lecture	ReferenceBook
	4		Globalization Feminism Humanism	4	Lecture	Reference Book
August	1	FIRST WORLD WAR	Causes	4	Lecture	Reference Book
	2		Impacts /Consequences	4	Lecture	Reference Book

September	3		Paris Peace settlement (1919	4	Lecture	
	4		League of Nations	4	Lecture	Reference Book
	1	RUSSIAN REVOLUTION	Socio – Economic and Political background of revolution	4	Lecture	Reference Book
	2		Contribution of Lenin	4	Lecture	Reference Book
	3		New Economic Policy (NEP)	4	Lecture	Reference Book
	4		Contribution of Stalin and Five Year Plan	4	Lecture	Reference Book
October	1	RISE OF DICTATORSHIP	Italy	4	Lecture	Reference Book
	2		Germany	4	Lecture	Reference Book
	3		Germany	4	Lecture	Reference Book
	4		Turkestan	4	Lecture	Reference Book
November	1					
	2					
	3					
	4					
December	1	GREAT DEPRESSION	Nature	4	Lecture	Reference Book
	2		Causes	4	Lecture	Reference Book
	3		Causes	4	Lecture	Reference Book
	4		Consequences	4	Lecture	Reference Book
January	1	World War II	Causes	4	Lecture	Reference Book
	2		Emergence and Scope	4	Lecture	Reference Book
	3		Consequences	4	Lecture	Reference Book
	4		United Nations	4	Lecture	Reference Book

February

1

RISE OF
WORLD
POWERS
 America

4

Lecture

Reference Book

2

Russia

4

Lecture

Reference Book

3

Russia

4

Lecture

Reference Book

4

Star War

4

Lecture

Reference Book

March

1

THIRD WORLD

 Roll of India in Non –
Alignment Movement
SAA/RC
OPEC

4

Lecture

Reference Book

2

TOWARDS
GLOBALIZATI
ON
 End of cold war and
Distegration of USSR

4

Lecture

Reference Book

3

Liberalization

4

Lecture

Reference Book

4

 GATT and WTO
Fundamentalism – As world
problem (Terrorism)

4

Lecture

Reference Book

April

1

2



3

4

 Signature of the Teacher
 


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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar

	Department of Geography Teaching Plan Academic Year: 2020-21	
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Class: FYBA **Subject: Physical Geography-I**

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3					
	4					
July	1	Introduction to Physical Geography	Definition of Physical Geography Nature and Scope of Physical Geography	02	Lecture/ PPT	Textbook/Ref. Book/ e-content
	2	Introduction to Physical Geography	Branches of Physical Geography Introduction about the Earth system	05	Lecture	Textbook/Ref. Book/ e-content
	3	Introduction to Physical Geography	, Atmosphere Lithosphere, Hydrosphere and Biosphere	03	Lecture	Textbook/Ref. Book/ e-content
	4	Lithosphere	Interior of the earth	02	Lecture/PPT	Textbook/Ref. Book/ e-content
August	1	Lithosphere	Interior of the earth	03	Lecture	Textbook/Ref. Book/ e-content
	2	Lithosphere	Wegner's Continental Drift Theory	03	Lecture	Textbook/Ref. Book/ e-content

	3	Lithosphere	Wegner's Continental Drift Theory	03	Lecture	Textbook/Ref. Book/e-content
	4	Lithosphere	Wegner's Continental Drift Theory	03	Lecture	Textbook/Ref. Book/e-content
September	1	Lithosphere	Davis Concept of Cycle of erosion	03	Lecture	Textbook/Ref. Book/e-content
	2	Atmosphere	Structure of the atmosphere	03	Lecture/PPT	Textbook/Ref. Book/e-content
	3	Atmosphere	Structure of the atmosphere	03	Lecture	Textbook/Ref. Book/e-content
	4	Atmosphere	Heat Balance	03	Lecture	Textbook/Ref. Book/e-content
October	1	Atmosphere	Pressure belts and wind system	02	Lecture	Textbook/Ref. Book/e-content
	2	Atmosphere	Forms and types of Precipitation	02	Lecture	Textbook/Ref. Book/e-content
	3	Hydrosphere	Hydrological cycle	04	Lecture/PPT	Textbook/Ref. Book/e-content
	4	Hydrosphere	General structure of ocean floor	04	Lecture	Textbook/Ref. Book/e-content
November	1	Hydrosphere	Waves and Tides	03	Lecture	Textbook/Ref. Book/e-content
	2	Hydrosphere	Waves and Tides	03	Lecture	Textbook/Ref. Book/e-content
	3	Hydrosphere	Field Visit (Not more than one day) for observations geographical places and landforms.	03	Field study	Textbook/Ref. Book/e-content
	4					
December	1	Introduction to Human Geography	Definitions of Human Geography	03	Lecture/PPT	Textbook/Ref. Book/e-content
	2	Introduction to Human Geography	Nature and scope of Human Geography	03	Lecture	
	3	Introduction to Human Geography	Branches and importance of Human Geography	03	Lecture	
	4	Population	Factors affecting on distribution of population	03	Lecture	
January	1	Population	Factors affecting on	03	Lecture	Textbook/Ref. Book/

			distribution of population			e-content
	2	Population	Factors affecting on distribution of population	03	Lecture	--
	3	Population	Theory of demographic transition	03	Lecture	--
	4	Population	Composition of Indian population (Gender and literacy)	03	Lecture	--
February	1	Settlements	Types and pattern of rural Settlements	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Settlements	Urbanisation in India	03	Lecture	--
	3	Settlements	Urbanisation in Maharashtra	03	Lecture	--
	4	Agriculture	Types of Agriculture	03	Lecture/PPT	Textbook/Ref. Book/ e-content
March	1	Agriculture	Types of Agriculture	04	Lecture	--
	2	Agriculture	Factors affecting on Agriculture activity	04	Lecture	--
	3	Agriculture	Problems of Indian agriculture	04	Lecture	--
	4					


Signature of the Teacher


Head
Department of Geography
Arts, Science & Commerce College, Kolhar




PRINCIPAL
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**Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar**



**Department of Geography
Teaching Plan
Academic Year: 2020-21**



Class: SYBA

Subject: Practical Geography-I Gg.201 (A) (Scale and Map Projection)

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester – III						
June	3	Introduction of Maps	1. Definition of Map	01	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Introduction of Maps	2. Elements of Map	02	Lecture/PPT	Textbook/Ref. Book/ e-content
July	1	Introduction of Maps	3. Classification of Map:	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Introduction of Maps	a. On the basis of scale: i) Small scale ii) Large Scale	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Introduction of Maps	b. On the basis of function: i) Physical ii) Cultural 4. Use of map	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Map Scale	1. Definition of Map Scale.	03	Lecture/PPT	Textbook/Ref. Book/ e-content

August	1	Map Scale	2. Types of Map Scale	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Map Scale	a. Verbal Scale b. Numerical Scale c. Graphical Scale	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Map Scale	3. Conversion Scale (British and Metric System) a. Verbal scale to Representative fraction	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Map Scale	b. Representative fraction into Verbal scale	03	Lecture/PPT	Textbook/Ref. Book/ e-content
September	1	Map Scale	4. Construction of Simple Graphical scale (At least two examples from each)	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Basic of map projection	1. Definition and types of map projection	04	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Basic of map projection	2. Basic Concepts of Projection: Latitude, Longitude	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Basic of map projection	Basic Concepts of Projection: Parallel of latitude, meridian, Equator, Direction	03	Lecture/PPT	Textbook/Ref. Book/ e-content
October	1	Basic of map projection	Basic Concepts of Projection: Meridian of longitude, Prime	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Basic of map projection	3. Calculation of time basis on meridian and GMT (Calculation of minimum two examples)	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Construction, properties and use of map projections	properties of projections	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Construction, properties and use of map projections	use of map projections	04	Lecture/PPT	Textbook/Ref. Book/ e-content
November	1	Construction, properties and use of map projections	1. Zenithal Projection a. Zenithal Polar Gnomonic Projection	02	Lecture/PPT	Textbook/Ref. Book/ e-content

	2	Construction, properties and use of map projections	2. Conical Projection a. Conical projection with one standard parallel/Simple conical projection	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Construction, properties and use of map projections	3. Cylindrical Projection a. Cylindrical equal area projection	04	Lecture/PPT	Textbook Ref. Book/ e-content
	4	Construction, properties and use of map projections	4. Mercator projection (At least two examples from each projection)	04	Lecture/PPT	Textbook Ref. Book/ e-content
December	1	Introduction to Cartography	1. Definition of Cartography	02	Lecture/PPT	Textbook Ref. Book/ e-content
	2	Introduction to Cartography	2. Development of cartography a. Traditional b. Modern	01	Lecture/PPT	Textbook Ref. Book/ e-content
	3	Introduction to Cartography	3. Use of Cartography	02	Lecture/PPT	Textbook Ref. Book/ e-content
	4	Cartographic techniques	1. Techniques of representation of data (Use and limitations)	01	Lecture/PPT	Textbook Ref. Book/ e-content
January	1	Cartographic techniques	a. Simple line graph	03	Lecture/PPT	Textbook Ref. Book/ e-content
	2	Cartographic techniques	b. Simple bar Graph	03	Lecture/PPT	Textbook Ref. Book/ e-content
	3	Cartographic techniques	c. Pie diagram	03		
	4	Cartographic techniques	d. Choropleth Map	03	Lecture/PPT	Textbook Ref. Book/ e-content
February	1	Cartographic techniques	e. Isopleth Method (Isoheight or Isothermal)	02	Lecture/PPT	Textbook Ref. Book/ e-content
	2	Cartographic techniques	f. Flow diagram	03	Lecture/PPT	Textbook Ref. Book/ e-content
	3	Surveying	1. Definition of Surveying	01	Lecture/PPT	Textbook Ref. Book/ e-content

	4	Surveying	2. Types of North Direction (True, Magnetic and Grid North)	02	Lecture/PPT	Textbook/Ref. Book/ e-content
March	1	Surveying	3. Types of Survey (Any three) a. Plane Table Survey : (Radiation Method and Intersection Method)	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Surveying	b. GPS Survey and plotting c. Dumpy level / Auto level survey i) Rise and Fall Method ii) Collimation Method d. Demonstration of Total Station	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Surveying	4. Measurement of land: i) Measurement of survey field ii) Example on measurement of area (Circle, Square, Rectangle, Triangle, Uneven shape) iii) Conversion of area (hector into Acer, Square km into square meter, Square meter to Square feet)	01	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Surveying	Study tour to places of geographical interest anywhere in the country		Lecture/PPT	Textbook/Ref. Book/ e-content
April	1	Excursion / village/city survey and report writing	Socio- economic survey of village/cityReport writing	04	Field study	Textbook/Ref. Book/ e-content
	2					


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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar



Department of Geography
Teaching Plan
Academic Year: 2020-21



Class: TYBA Semester-I

Subject: Population and Settlement Geography G3 (Gg.320)

Name of the Teacher: Dr. Dalimbe. S. N.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June						
	4	Introduction	Nature and Scope of Population Geography	01	Lecture/PPT	Textbook/ PPT
July	1	Introduction to population and settlement Geography	Census, National sample survey	02	Lecture/PPT	Textbook/ PPT
	2	Introduction to population and settlement Geography	Sample registration survey, NFHS, DLHS data	03	Lecture/PPT	Textbook/ PPT
	3	Introduction to population and settlement Geography	Demographic surveys and other sources	02	Lecture/PPT	Textbook/ PPT

	4	Population dynamics	Spatial pattern of distribution	03	Lecture/PPT	Textbook/Ref. Book/ e-content
August	1	Population dynamics	Composition of population	04	Lecture/PPT	Textbook/ PPT
	2	Population dynamics	Determinates of distribution and density of population	03	Lecture/PPT	Textbook/ PPT
	3	Population dynamics	Distribution of population- World and Indian scenario	02	Lecture/PPT	Textbook/ PPT
	4	Population dynamics	Population growth- global and Indian trend	03	Lecture/PPT	Textbook/ PPT
September	1	Demographic Attributes	Human Migration	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Demographic Attributes	Migration Classification, determinants and consequences of migration	03	Lecture/PPT	Textbook/ PPT
	3	Demographic Attributes	Measures- Fertility, Morbidity and Mortality, Marital status	04	Lecture/PPT	Textbook/ PPT
	4	Demographic Attributes	Human development index	03	Lecture/PPT	Textbook/ PPT
October	1	Demographic Attributes	Illegal migrations and its impacts	03	Lecture/PPT	Textbook/ PPT
	2	Demographic Attributes	Migration and its impacts on smart cities and villages	03	Lecture/PPT	Textbook/ PPT
	3	Demographic Attributes	Theories of population growth	03	Lecture/PPT	Textbook/ PPT
	4	Population Policies	Population policies and programmes	04	Lecture/PPT	Textbook/Ref. Book/ e-content

November	1	Population Policies	Population Policies in the context of growth	03	Lecture/PPT	Textbook/ PPT
	2	Population Policies	Structure, distribution and quality life	04	Lecture/PPT	Textbook/ PPT
	3	Population Policies	Evolution of family life welfare programme in India	04	Lecture/PPT	Textbook/ PPT
	4	Population Policies	National population policies in India after 1991	03	Lecture/PPT	Textbook/ PPT
December	1	Introduction of settlement Geography	Definition of settlement Geography	04	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Introduction of settlement Geography	Nature of settlement Geography	03	Lecture/PPT	Textbook/ PPT
	3	Introduction of settlement Geography	Scope of settlement Geography	03	Lecture/PPT	Textbook/ PPT
	4	Introduction of settlement Geography	Characteristics of settlement Geography	03	Lecture/PPT	Textbook/ PPT
January	1	Introduction of settlement Geography	Branches settlement Geography	02	Lecture/PPT	Textbook/ PPT
	2	Man-environment relationship	Factors influencing the growth of settlements	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Man-environment relationship	Factors influencing the distribution of settlements	03	Lecture/PPT	Textbook/ PPT
	4	Man-environment relationship	Physical factors	02	Lecture/PPT	Textbook/ PPT
February	1	Man-environment relationship	Economic factors	03	Lecture/PPT	Textbook/ PPT

	2	Man-environment relationship	Social and Political factors	03	Lecture/PPT	Textbook/ PPT
	3	Settlement site and structure	Site of settlement	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Settlement site and structure	Situation of settlement	03	Lecture/PPT	Textbook/ PPT
March	1	Settlement site and structure	Types of settlement Size and Spacing of Settlement	03	Lecture/PPT	Textbook/ PPT
	2	Settlement site and structure	Patterns of settlement Various concepts with examples	04	Lecture/PPT	Textbook/ PPT
	3	Concepts of settlement and urbanization	Urbanization Centrality City region Urban fringe	02	Lecture/PPT	Textbook/ PPT
	4		Rank-size rule Smart city concept Smart village C.B.D. Hierarchy of settlement	04	Lecture/PPT	Textbook/ PPT
April						



Signature of the Teacher

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Arts, Science and Commerce College, Kolhar

	Department of Geography Teaching Plan Academic Year: 2020-21	
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Class: SYBA

Subject: Geography of Maharashtra
II,s Subject Code: Gg.220 (A)

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester – IV						
June	3	Administrative Set up of Maharashtra	Historical Background of the state	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Administrative Set up of Maharashtra	Political Background of the state	03	Lecture/PPT	Textbook/Ref. Book/ e-content
July	1	Administrative Set up of Maharashtra	Geographical location of State	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Administrative Set up of Maharashtra	Adjoining States	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Administrative Set up of Maharashtra	. Administrative Divisions	02	Lecture/PPT	Textbook/Ref. Book/ e-content

	4	Physical settings	Geological Structure of Maharashtra.	03	Lecture/PPT	Textbook/Ref. Book/ e-content
August	1	Physical settings	Physical Structure Mountain,	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Physical settings	Physical Structure plateau, Plains	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Physical settings	Major Soil types and Distribution	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Physical settings	Drainage Pattern (East and West flowing rivers)	02	Lecture/PPT	Textbook/Ref. Book/ e-content
September	1	Physical settings	Drainage pattern west flowing rivers.	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Climate	Climatic Regions of Maharashtra	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Climate	Distribution of Rainfall	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Climate	Draught prone areas	03	Lecture/PPT	Textbook/Ref. Book/ e-content
October	1	Climate	Draught prone areas-Problems and Management	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Climate	Flood areas – Problems	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Climate	Flood areas - Problems and Management	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Resources	Water :Problems in Utilization	04	Lecture/PPT	Textbook/Ref. Book/ e-

						content
November	1	Resources	Water Utilization and conservation	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Resources	Forest : Types and Conservation	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Resources	Mineral; Iron ore, Manganese and Bauxite	04	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Resources	Power : Hydro, Thermal, Atomic	04	Lecture/PPT	Textbook/Ref. Book/ e-content

ZmG
Class Teacher

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Department of Geography
Teaching Plan
Academic Year: 2020-21



Class: SYBA

Subject: Geography of Maharashtra
II, Subject Code: Gg.220 –B.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester – IV						
June	3	Agriculture	Importance of Agriculture	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Agriculture	Importance of in Economy of Maharashtra	03	Lecture/PPT	Textbook/Ref. Book/ e-content
July	1	Agriculture	Major Crops Wheat, Rice,.	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Agriculture	Major Crops jawar, Bajra	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Agriculture	Cash Crops and Horticulture - Cotton, Sugarcane, Pomegranate, Grapes.	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Agriculture	Problems of agriculture in Maharashtra.	03	Lecture/PPT	Textbook/Ref. Book/ e-content

August	1	Population and Settlement	Population distribution of Maharashtra	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Population and Settlement	Population composition - Sex Ratio, Literacy	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Population and Settlement	Population composition - Occupational structure, Migration	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Population and Settlement	Rural and Urban Settlements	02	Lecture/PPT	Textbook/Ref. Book/ e-content
September	1	Population and Settlement	Potential of Major Cities in Maharashtra – Mumbai, Pune, Nagpur	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Rural Development of Maharashtra	Concept of Rural Development	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Rural Development of Maharashtra	Parameters of Rural Development	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Rural Development of Maharashtra	Schemes For Rural Development	03	Lecture/PPT	Textbook/Ref. Book/ e-content
October	1	Rural Development of Maharashtra	Case Studies – Hivare Bazar	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Rural Development of Maharashtra	Case Studies Ralegan Siddhi	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Rural Development of Maharashtra	Case Studies Patoda (Aurangabad)	02	Lecture/PPT	Textbook/Ref. Book/ e-content

	4	Tourism	Growth and development of tourism in Maharashtra	04	Lecture/PPT	Textbook/Ref. Book/ e-content
November	1	Tourism	Tourism Potential of Maharashtra	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Tourism	Agro-Tourism	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Tourism	Role of MTDC	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Tourism	—	03	Lecture/PPT	Textbook/Ref. Book/ e-content



Zm 113
Class Teacher

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	Department of Geography Teaching Plan Academic Year: 2020-21	
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Class: SYBA

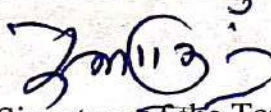
Subject: : Environment Geography- II, Subject Code: Gg.210 (A)

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
June	3	Introduction to Environmental Geography	Definition of Environmental Geography	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Introduction to Environmental Geography	Nature of Environmental Geography	02	Lecture/PPT	Textbook/Ref. Book/ e-content
July	1	Introduction to Environmental Geography	scope of Environmental Geography	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Introduction to Environmental Geography	. Types of Environment	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Introduction to Environmental Geography	Importance of Environmental Geography	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Introduction to Environmental	Approaches to study of environmental Geography	02	Lecture/PPT	Textbook/Ref. Book/ e-content

		Geography				
August	1	Ecosystem	Meaning, concept and definition of ecosystem	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Ecosystem	Meaning, concept and definition of ecosystem	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Ecosystem	Structure (Biotic and Abiotic factors)	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Ecosystem	food chain, Tropic Level,	02	Lecture/PPT	Textbook/Ref. Book/ e-content
September	1	Ecosystem	food web, energy flow	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Ecosystem	Types of ecosystem	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Ecosystem	Equatorial Forest	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Ecosystem	Pond Ecosystem	03	Lecture/PPT	Textbook/Ref. Book/ e-content
October	1	Biodiversity and its conservation	Concept of biodiversity	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Biodiversity and its conservation	Economic value	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Biodiversity and its conservation potential of biodiversity	potential of biodiversity	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Biodiversity and its conservation	. Loss of biodiversity and hotspots in India	04	Lecture/PPT	Textbook/Ref. Book/ e-content
November	1	Biodiversity and its conservation	Conservation of biodiversity	02	Lecture/PPT	Textbook/Ref. Book/ e-content

	2	Environmental Pollution	Concept of Pollution	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Environmental Pollution	Air pollution-Causes, effects and control measure	04	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Environmental Pollution	Water pollution-Causes, effects and control measures	04	Lecture/PPT	Textbook/Ref. Book/ e-content
December	1	Environmental Disaster	1. Meaning and concepts of environmental disaster	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Environmental Disaster	2. Classification of Disaster	01	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Environmental Disaster	3. Natural Disaster a) Earthquake b) Flood	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Environmental Disaster	. Biological Disaster a) Swine flu	01	Lecture/PPT	Textbook/Ref. Book/ e-content
January	1	Environmental Disaster	. Biological Disaster a) Swine flu	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Environmental Disaster	. Biological Disaster Novel Corona (COVID-19)	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Environmental Problems	Global Warming and climate change	03	Lecture / ppt	Textbook/Ref. Book/ e-content
	4	Environmental Problems	Global Warming and climate change	03	Lecture/PPT	Textbook/Ref. Book/ e-content
February	1	Environmental Problems	Ozone Depletion	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Environmental Problems	Ozone Depletion	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Environmental Problems	Over use of chemical fertilizers	01	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Environmental Planning and Management	. Need of Planning and Management	02	Lecture/PPT	Textbook/Ref. Book/ e-content

March	1	Environmental Planning and Management	Micro, macro and meso level	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Environmental Planning and Management	Micro, macro and meso level Planning and Management with reference to India	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Environmental Planning and Management	Environmental impact assessment	01	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Environmental Policies	Introduction of environmental policies		Lecture/PPT	Textbook/Ref. Book/ e-content
April	1	Environmental Policies	Introduction of environmental policies	04	Field study	Textbook/Ref. Book/ e-content
	2	Environmental Policies	Environmental education in India		Lecture/PPT	
	3	Environmental Policies	Environmental education in India		Lecture/PPT	
	4	Environmental Policies	Kyoto Protocol		Lecture/PPT	


Signature of the Teacher




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Department of Geography
Teaching Plan
Academic Year: 2020-21



Class: TYBA
Semester-VI

Subject: Practical Geography- I
Techniques of Spatial Analysis)

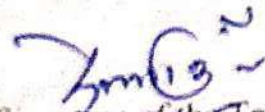
Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - V						
June						
	4	Geographical Data & its Basic Analysis	Introduction and Types of Geographical Data	01	Lecture/PPT	Textbook/ PPT
July	1	Geographical Data & its Basic Analysis	Spatial and Temporal data	02	Lecture/PPT	Textbook/ PPT
	2	Geographical Data & its Basic Analysis	Discrete and Continuous series	03	Lecture/PPT	Textbook/ PPT
	3	Geographical Data & its Basic Analysis	Grouped and Ungrouped data	02	Lecture/PPT	Textbook/ PPT

	4	Geographical Data & its Basic Analysis	Basic Analysis : i) Tally marks and frequency table	03	Lecture/PPT	Textbook/Ref. Book/ e-content
August	1	Geographical Data & its Basic Analysis	Frequency distribution (histogram & polygon	04	Lecture/PPT	Textbook/ PPT
	2	Geographical Data & its Basic Analysis	Cumulative Frequency & Ogive curve	03	Lecture/PPT	Textbook/ PPT
	3	Calculation of Central Tendency	Meaning and description of central tendencies	02	Lecture/PPT	Textbook/ PPT
	4	Calculation of Central Tendency	Meaning and description of central tendencies- Mean	03	Lecture/PPT	Textbook/ PPT
September	1	Calculation of Central Tendency	Meaning and description of central tendencies- Mode	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Calculation of Central Tendency	Meaning and description of central tendencies- , Median	03	Lecture/PPT	Textbook/ PPT
	3	Calculation of Central Tendency, & Dispersion	Calculation of Mean, Mode, Median for ungrouped and grouped data (two examples each)	04	Lecture/PPT	Textbook/ PPT
	4	Calculation of Central Tendency, & Dispersion	Measures of Dispersion: Mean Deviation & Standard Deviation (two examples each)	03	Lecture/PPT	Textbook/ PPT
October	1	Testing and Application of Hypothesis	Meaning, Definition of Hypothesis & Types of Hypothesis	03	Lecture/PPT	Textbook/ PPT
	2	Testing and Application of Hypothesis	Concept of Correlation and regression	03	Lecture/PPT	Textbook/ PPT

	3	Testing and Application of Hypothesis	Concept of bivariate correlation & Regression	03	Lecture/PPT	Textbook/ PPT
	4	Testing and Application of Hypothesis	Concept of bivariate correlation & Regression	04	Lecture/PPT	Textbook/Ref. Book/ e-content
November	1	Testing and Application of Hypothesis	Parametric & Non parametric tests: i) Chi-square test (two examples each)	03	Lecture/PPT	Textbook/ PPT
	2	Testing and Application of Hypothesis	Parametric & Non parametric tests: i) Chi-square test (two examples each)	04	Lecture/PPT	Textbook/ PPT
	3	Testing and Application of Hypothesis	Calculation of Spearman Rank order (Min. two examples for each test)	04	Lecture/PPT	Textbook/ PPT
	4	Testing and Application of Hypothesis	Concept of bivariate correlation	03	Lecture/PPT	Textbook/ PPT
December	1	Testing and Application of Hypothesis	Concept of bivariate correlation	04	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Testing and Application of Hypothesis	Alternative hypothesis	03	Lecture/PPT	Textbook/ PPT
	3	Testing and Application of Hypothesis	Alternative hypothesis	03	Lecture/PPT	Textbook/ PPT

	4	Testing and Application of Hypothesis	Level of significance	03	Lecture/PPT	Textbook/ PPT
January	1	Testing and Application of Hypothesis	Level of significance	02	Lecture/PPT	Textbook/ PPT
	2	Testing and Application of Hypothesis	Degree of freedom	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Field Excursion / Village Survey / Project Report	preparation of tour repor	03	Lecture/PPT	Textbook/ PPT
	4	Field Excursion / Village Survey / Project Report	preparation of tour repor	02	Lecture/PPT	Textbook/ PPT
February	1	Field Excursion / Village Survey / Project Report	preparation of tour repor	03	Lecture/PPT	Textbook/ PPT
	2	Field Excursion / Village Survey / Project Report	preparation of tour repor	03	Lecture/PPT	Textbook/ PPT
	3	Field Excursion / Village Survey / Project Report	preparation of tour repor	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Field Excursion / Village Survey / Project Report	-	03	Lecture/PPT	Textbook/ PPT

March	1	Field Excursion / Village Survey / Project Report	-	03	Lecture/PPT	Textbook/ PPT
	2	Field Excursion / Village Survey / Project Report	-	04	Lecture/PPT	Textbook/ PPT
	3			02	Lecture/PPT	Textbook/ PPT
	4			04	Lecture/PPT	Textbook/ PPT


Signature of the Teacher


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Pravara Rural Education Society's
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Department of Geography
Teaching Plan



Class: TYBA Semester-V


Subject: Geography of India -Gg:
320(A)

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
June	4	Introduction	Location and Extent	01	Lecture/PPT	Textbook/ PPT
July	1	Introduction	Historical Background	02	Lecture/PPT	Textbook/ PPT
	2	Introduction	International boundaries of India and related issues	03	Lecture/PPT	Textbook/ PPT
	3	Introduction	States and Union territories	02	Lecture/PPT	Textbook/ PPT
	4	Physiography	The Northern Mountains	03	Lecture/PPT	Textbook/Ref. Book/ e-content
August	1	Physiography	The North Indian Plains	04	Lecture/PPT	Textbook/ PPT

	2	Physiography	The Peninsular Plateau	03	Lecture/PPT	Textbook/ PPT
	3	Physiography	The Costal lowlands	02	Lecture/PPT	Textbook/ PPT
	4	Physiography	The Costal and Islands	03	Lecture/PPT	Textbook/ PPT
September	1	Drainage	The Islands	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Drainage	The Islands	03	Lecture/PPT	Textbook/ PPT
	3	Drainage	Himalayan Rivers	04	Lecture/PPT	Textbook/ PPT
	4	Drainage	The Indus	03	Lecture/PPT	Textbook/ PPT
October	1	Drainage	The Gang	03	Lecture/PPT	Textbook/ PPT
	2	Drainage	The Brahmaputra	03	Lecture/PPT	Textbook/ PPT
	3	Drainage	East Flowing Rivers	03	Lecture/PPT	Textbook/ PPT
	4	Drainage	East Flowing Rivers- Mahanadi, Godavari, Krishna, Kaveri	04	Lecture/PPT	Textbook/Ref. Book/ e-content
November	1	Drainage	Major West Flowing Rivers- Narmada, Tapi, Mahi	03	Lecture/PPT	Textbook/ PPT
	2	Drainage	Minor West Flowing Rivers originating in Western Ghats	04	Lecture/PPT	Textbook/ PPT
	3	Climate Soils and Natural Vegetation	Various Seasons and Weather Associated with	04	Lecture/PPT	Textbook/ PPT

			them			
	4	Climate Soils and Natural Vegetation	Types of Soils and its Distribution	03	Lecture/PPT	Textbook/ PPT
December	1	Cultural Setting	Religions of India	04	Lecture/PPT	Textbook/Ref. Book/ e-content
	2	Cultural Setting	Religions of India	03	Lecture/PPT	Textbook/ PPT
	3	Cultural Setting	Languages of India	03	Lecture/PPT	Textbook/ PPT
	4	Cultural Setting	Major tribes,	03	Lecture/PPT	Textbook/ PPT
January	1	Cultural Setting	tribal areas and their problems	02	Lecture/PPT	Textbook/ PPT
	2	Transportation& Communication	Role of Transportation in regional development of India	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	3	Transportation& Communication	Land ways	03	Lecture/PPT	Textbook/ PPT
	4	Transportation& Communication	Airways	02	Lecture/PPT	Textbook/ PPT
February	1	Transportation& Communication	Waterways	03	Lecture/PPT	Textbook/ PPT
	2	Transportation& Communication	Developments in communication technology	03	Lecture/PPT	Textbook/ PPT
	3	Resources	Iron ore	03	Lecture/PPT	Textbook/Ref. Book/ e-content
	4	Resources	Manganese	03	Lecture/PPT	Textbook/ PPT

March	1	Resources	Coal, Petroleum	03	Lecture/PPT	Textbook/ PPT
	2	Resources	Hydro and Thermal Power	04	Lecture/PPT	Textbook/ PPT
	3	Agriculture	Significance of agriculture in Indian Economy	02	Lecture/PPT	Textbook/ PPT
	4	Agriculture	Agro Based Industries: Sugar, Cotton & Textile	04	Lecture/PPT	Textbook/ PPT
April						


Signature of the Teacher


Head
Department of Geography
Arts, Science & Commerce College, Kolhar




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Arts, Science and Commerce College, Kolhar



Department of Geography
Teaching Plan
Academic Year: 2020-21



Class: TYBA- S-4

Subject: Practical Geography- I Techniques of Spatial Analysis)

Name of the Teacher: Dr. S. N. Shingote

Month	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
June	Introduction of S.O.I. Toposheet & Relief Representation	Introduction of Survey of India Toposheets	01	Lecture/PPT	Textbook/ PPT
July	Introduction of S.O.I. Toposheet & Relief Representation	Marginal Information	02	Lecture/PPT	Textbook/ PPT
	Introduction of S.O.I. Toposheet & Relief Representation	Conventional signs and symbols	03	Lecture/PPT	Textbook/ PPT
	Introduction of S.O.I. Toposheet & Relief Representation	Colours in S.O.I. Toposheets	02	Lecture/PPT	Textbook/ PPT
	Introduction of S.O.I. Toposheet & Relief Representation	Types of toposheets / Indexing of toposheets	03	Lecture/PPT	Textbook/Ref. Book/ e-content
August	Introduction of S.O.I. Toposheet & Relief Representation	Methods of Relief Representation	04	Lecture/PPT	Textbook/ PPT

	Representation Introduction of S.O.I Toposheet & Relief Representation	Qualitative Hachures, Hill shading, Layer Tint	03	Lecture/PPT	Textbook/ PPT
	Introduction of S.O.I Toposheet & Relief Representation	Quantitative Contours, Form lines, Bench Marks, Spot Heights, Triangulation Mark, Relative Height (r)	02	Lecture/PPT	Textbook/ PPT
	Interpretation of S.O.I	Reading of SOI toposheets from plain, plateau and Mountainous region (Minimum 0 Toposheet per region)	03	Lecture/PPT	Textbook/ PPT
September	Interpretation of S.O.I	One day field Excursion for orientation of toposheets,	02	Lecture/PPT	Textbook/Ref. Book/ e-content
	Interpretation of S.O.I	observation and Identification of Geographical Features	03	Lecture/PPT	Textbook/ PPT
	Interpretation of S.O.I	Preparation of a Brief Report	04	Lecture/PPT	Textbook/ PPT
	Introduction & Interpretation Weather Maps	Introduction to Weather Maps	03	Lecture/PPT	Textbook/ PPT
October	Introduction & Interpretation Weather Maps	Symbols in Daily Weather Report used by India Meteorological Department (IMD)	03	Lecture/PPT	Textbook/ PPT
	Introduction & Interpretation Weather Maps	Isocharic Pattern	03	Lecture/PPT	Textbook/ PPT
	Introduction & Interpretation Weather Maps	Reading of Weather Map from i) Summer ii) Monsoon iii) Winter	03	Lecture/PPT	Textbook/ PPT

		Season (Minimum one weather map from each season)			
	Introduction & Application of GIS & Remote Sensing Techniques	Definition and Components of GIS	04	Lecture/PPT	Textbook/Ref. Book/ e-content
November	Introduction & Application of GIS & Remote Sensing Techniques	GIS Data Types (spatial and non-spatial), Raster and Vector data	03	Lecture/PPT	Textbook/ PPT
	Introduction & Application of GIS & Remote Sensing Techniques	Introduction of Aerial Photographs &	04	Lecture/PPT	Textbook/ PPT
	Introduction & Application of GIS & Remote Sensing Techniques	Satellite Images	04	Lecture/PPT	Textbook/ PPT
	Introduction & Application of GIS & Remote Sensing Techniques	Use of Computer open source Software for GIS & RS techniques in Geography RS techniques in Geography	03	Lecture/PPT	Textbook/ PPT
December	Introduction & Application of GIS & Remote Sensing Techniques	RS techniques in Geography	04	Lecture/PPT	Textbook/Ref. Book/ e-content
			03	Lecture/PPT	Textbook/ PPT
			03	Lecture/PPT	Textbook/ PPT
			03	Lecture/PPT	Textbook/ PPT
January			02	Lecture/PPT	Textbook/ PPT
			03	Lecture/PPT	Textbook/Ref. Book/ e-content
			03	Lecture/PPT	Textbook/ PPT
			02	Lecture/PPT	Textbook/ PPT
February			03	Lecture/PPT	Textbook/ PPT
			03	Lecture/PPT	Textbook/ PPT
			03	Lecture/PPT	Textbook/Ref. Book/ e-content

		Season (Minimum one weather map from each season)			
	Introduction & Application of GIS & Remote Sensing Techniques	Definition and Components of GIS	04	Lecture/PPT	Textbook/Ref. Book/e-content
November	Introduction & Application of GIS & Remote Sensing Techniques	GIS Data Types (spatial and non-spatial), Raster and Vector data	03	Lecture/PPT	Textbook/ PPT
	Introduction & Application of GIS & Remote Sensing Techniques	Introduction of Aerial Photographs &	04	Lecture/PPT	Textbook/ PPT
	Introduction & Application of GIS & Remote Sensing Techniques	Satellite Images	04	Lecture/PPT	Textbook/ PPT
	Introduction & Application of GIS & Remote Sensing Techniques	Use of Computer open source Software for GIS & RS techniques in Geography RS techniques in Geography	03	Lecture/PPT	Textbook/ PPT
	Introduction & Application of GIS & Remote Sensing Techniques	RS techniques in Geography	04	Lecture/PPT	Textbook/Ref. Book/e-content
December			03	Lecture/PPT	Textbook/ PPT
			03	Lecture/PPT	Textbook/ PPT
			03	Lecture/PPT	Textbook/ PPT
			03	Lecture/PPT	Textbook/ PPT
January	Field Excursion	Preparation of	02	Lecture/PPT	Textbook/ PPT
	village survey	tour report	03	Lecture/PPT	Textbook/Ref. Book/e-content
			03	Lecture/PPT	Textbook/ PPT
			02	Lecture/PPT	Textbook/ PPT
February	Field Excursion		03	Lecture/PPT	Textbook/ PPT
			03	Lecture/PPT	Textbook/ PPT
	village survey	Preparation of tour report	03	Lecture/PPT	Textbook/Ref. Book/e-content

			03	Lecture PPT	Textbook/ PPT
	Field Examination	Preparation	03	Lecture PPT	Textbook/ PPT
	Village survey	of tour	04	Lecture PPT	Textbook/ PPT
March	Project Report	Report	02	Lecture PPT	Textbook/ PPT
			04	Lecture PPT	Textbook/ PPT

Zmug
Subject Teacher

[Signature]
Head
Department of Geography
Arts, Science & Commerce College, Kolhar



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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar



Department of Economics
Teaching Plan
Academic Year: 2020-21



Class: FYBA		Subject: Indian Economic Environment			Name of the Teacher: Dr. G. R. Deshmukh	
Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
July	1	Introduction	Meaning, Factors affecting Economic Environment	4	Lecture	Textbook/Ref. Book/ e-content
	2	Introduction	Political, Technological,	4	Lecture	Textbook/Ref. Book/ e-content
	3	Introduction	Social & Cultural, Challenges to Indian Economy; Natural Resources, Energy Resources, Education,	4	Lecture	Textbook/Ref. Book/ e-content
	4	Introduction	Health, Environment ,Comparison of Indian Economy with the World Economy Population, Agriculture,	4	Lecture	Textbook/Ref. Book/ e-content
August	1	Introduction	Industry and Service Sector, *Tutorial	4	Lecture	Textbook/Ref. Book/ e-content
	2	Agricultural Environment	Role of Agriculture in Indian Economy	4	Lecture	Textbook/Ref. Book/ e-content

	3	Agricultural Environment	Challenges to Indian Agriculture- Productivity,	4	Lecture	Textbook/Ref. Book/ e-content
	4	Agricultural Environment	Rural Credit, Marketing,	4	Lecture	Textbook/Ref. Book/ e-content
September	1	Agricultural Environment	Entrepreneurship, Recent Trends in Indian Agriculture: Cropping pattern,	4	Lecture	Textbook/Ref. Book/ e-content
	2	Agricultural Environment	Technology, Crop Insurance, Water Management, Agri Business	4	Lecture	Textbook/Ref. Book/ e-content
	3	Industrial Environment	Role of Industry in Indian Economic Development	4	Lecture	Textbook/Ref. Book/ e-content
	4	Industrial Environment	Industrial Policy Resolution, 1991- Liberalization, Privatization and Globalization (LPG)	4	Lecture	Textbook/Ref. Book/ e-content
October	1	Industrial Environment	Challenges to Indian Industry- Labour & Employment, Regional Imbalance, Finance, Technology	4	Lecture	Textbook/Ref. Book/ e-content
	2	Industrial Environment	Micro, Small and Medium Enterprises (MSME)- Definition & Role	4	Lecture	Textbook/Ref. Book/ e-content
	3	Industrial Environment	Recent trends in Indian Industry- Indian Multinationals & New Policies	4	Lecture	Textbook/Ref. Book/ e-content
	4	All	Revision, Internal assesment	4		

Semester – II

December	1	Service Sector Environment	Role and Growth of Service Sector in Indian Economy Challenges to Indian Service sector	4	Lecture	Textbook/Ref. Book/ e-content
	2	Service Sector Environment	Challenges to Indian Service sector- Business-based & Knowledge-based Sector,	4	Lecture	Textbook/Ref. Book/ e-content
	3	Service Sector Environment	Education sector, Health sector, Insurance, Tourism,		Lecture	Textbook/Ref. Book/ e-content
	4	Service Sector	Banking, Recent Trends in Indian	4	Lecture	Textbook/Ref. Book/ e-

		Environment	Service Sector- Digital Economy, E-Commerce, E- Finance			content
January	1	Banking Environment	Banking- Definition, Functions, Changing Structure of Banking in India	4	Lecture	Textbook/Ref. Book/ e-content
	2	Banking Environment	New Private Banks, Small Banks, Payment Banks	4	Lecture	Textbook/Ref. Book/ e-content
	3	Banking Environment	Bank Accounts- Types, Procedure and Operation of Accounts	4	Lecture	Textbook/Ref. Book/ e-content
	4	Banking Environment	Recent Trends in Indian Banking Environment- E-Banking, E-Wallets,	4	Lecture	Textbook/Ref. Book/ e-content
February	1	Banking Environment	Bank Mergers and Amalgamations,* Assignment	4	Lecture	Textbook/Ref. Book/ e-content
	2	Overview of Indian economy	Challenges of Indian Economy- Poverty, Employment,	4	Lecture	Textbook/Ref. Book/ e-content
	3	Overview of Indian economy	Inequality, Informal Sector	4	Lecture	Textbook/Ref. Book/ e-content
	4	Overview of Indian economy	Policy Measures (Two-Three recent Programmes)- Poverty Alleviation Programmes; Employment Generation Programmes;	4	Lecture	Textbook/Ref. Book/ e-content
March	1	Overview of Indian economy	Agriculture Development Programmes, Skill Development Programme	4	Lecture	Textbook/Ref. Book/ e-content
	2	All	Revision, Internal assesment	4		

M. K. Nanda
Signature of the
Teacher

M. K. Nanda
Head
Department of Economics
Arts, Science & Commerce College, Kolhar



M. K. Nanda
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Pravara Rural Education Society's

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Department of Economics

Teaching Plan

Academic Year: 2020-21



Class: SYBA

Subject: Financial System


Teacher: Dr. G. R. Deshmukh

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
	2	Indian Financial System	Introduction. Meaning, Nature, Role and Importance of Indian Financial System	4	Lecture	Textbook/Ref. Book/ e-content
	3	Indian Financial System	Structure of Indian Financial System.	4	Lecture	Textbook/Ref. Book/ e-content
	4	Indian Financial System	Characteristics and Functions of Components of Indian Financial System.	4	Lecture	Textbook/Ref. Book/ e-content

August	1	Banking in India	Commercial Banks (Public Sector Banks, Private Sector Banks, Foreign Banks): Management, Organization and Functions.	4	Lecture	Textbook/Ref. Book/ e-content
	2	Banking in India	Regional Rural Banks and Co-operative Banks: Evolution, Management and Organization,	4	Lecture	Textbook/Ref. Book/ e-content
	3	Banking in India	Loan Management, Functions, Problems and Measures to solve the problem.	4	Lecture	Textbook/Ref. Book/ e-content
	4	Financial Markets in India	Classification of Financial Market.	4	Lecture	Textbook/Ref. Book/ e-content
September	1	Financial Markets in India	Indian Money Market: Features, Functions and Instruments.	4	Lecture	Textbook/Ref. Book/ e-content
	2	Financial Markets in India	Indian Capital Market: Features, Functions and Instruments.	4	Lecture	Textbook/Ref. Book/ e-content
	3	Financial Markets in India	Foreign Exchange Market: Role and Importance	4	Lecture	Textbook/Ref. Book/ e-content
	4	Important Financial Institutions	Meaning and Importance of Financial Institutions.	4	Lecture	Textbook/Ref. Book/ e-content
October	1	Important Financial Institutions	Stock Markets: NSE and BSE: Meaning & Functions.	4	Lecture	Textbook/Ref. Book/ e-content
	2	Important Financial Institutions	Non-Banking Financial Intermediaries: Meaning and Functions.	4	Lecture	Textbook/Ref. Book/ e-content

	3	Important Financial Institutions	Role and Functions of Financial Institutions in India with reference to UTI, LIC, GIC	4	Lecture	Textbook/Ref. Book/e-content
	4		Revision , Internal Assessment	4		
Semester - II						
December	1	Reserve Bank of India	Structure and Role of RBI in Indian Economy	4	Lecture	Textbook/Ref. Book/e-content
	2	Reserve Bank of India	Major Functions of RBI	4	Lecture	Textbook/Ref. Book/e-content
	3	Reserve Bank of India	Monetary Policy: Tools and their Limitations.	4	Lecture	Textbook/Ref. Book/e-content
	4	Other Financial Regulators in India	SEBI: Role and Functions.	4	Lecture	Textbook/Ref. Book/e-content
January	1	Other Financial Regulators in India	SEBI: Functions , IRDA: Role	4	Lecture	Textbook/Ref. Book/e-content
	2	Other Financial Regulators in India	IRDA: Functions.	4	Lecture	Textbook/Ref. Book/e-content
	3	International Financial Institution	Role, Structure, Objectives and Functions of IMF.	4	Lecture	Textbook/Ref. Book/e-content
	4	International Financial Institution	Role, Structure, Objectives and Functions of World Bank	4	Lecture	Textbook/Ref. Book/e-content
February	1	International Financial Institution	Role, Structure, Objectives and Functions of Asian Development Bank.	4	Lecture	Textbook/Ref. Book/e-content

	2	International Financial Institution	Role, Structure, Objectives and Functions of BRICS Bank.	4	Lecture	Textbook/Ref. Book/ e-content
	3	Recent Developments in Indian Financial Sector	Objectives and Outcomes of Changing Landscape of Banking Sector in India.	4	Lecture	Textbook/Ref. Book/ e-content
	4	Recent Developments in Indian Financial Sector	Insolvency and Bankruptcy Code.	4	Lecture	Textbook/Ref. Book/ e-content
March	1	Recent Developments in Indian Financial Sector	Alternate Source of Finance.	4	Lecture	Textbook/Ref. Book/ e-content
	2	Recent Developments in Indian Financial Sector	Risk Management in Banking Sector.	4	Lecture	Textbook/Ref. Book/ e-content
	3		Revision , Internal Assesment	4	Lecture	Textbook/Ref. Book/ e-content


Signature of the Teacher


Signature of Head of the
Department
Head
Department of Economics
Arts, Science & Commerce College, Kolhar


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Department of Economics
Teaching Plan
Academic Year: 2020-21



Class: TYBA

Subject: Economic Development & Planning

Teacher: Dr. G. R. Deshmukh

Term - I


Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
July	3	Economic Development and Growth	Meaning of Economic Development and Growth, Indicators of Economic Growth	4	Lecture	Textbook/Ref. Book/ e-content
	4	Economic Development and Growth	Indicators of Economic Development	4	Lecture	Textbook/Ref. Book/ e-content
August	1	Economic Development and Growth	Differences between Economic Development & Growth	4	Lecture	Textbook/Ref. Book/ e-content
	2	Developing Countries	Concept- Developed, Developing Countries, Characteristics of Developing Countries	4	Lecture	Textbook/Ref. Book/ e-content
	3	Developing Countries	Economic Characteristics , Demographic Characteristics	4	Lecture	Textbook/Ref. Book/ e-content
	4	Developing Countries	Technological Characteristics Socio - Cultural Characteristic	4	Lecture	Textbook/Ref. Book/ e-content
September	1	Developing Countries	Other Characteristics * Tutorial and Test	4	Lecture	Textbook/Ref. Book/ e-content

	2	Constraints on Development Process	Vicious Circle of Poverty Population Explosion	4	Lecture	Textbook/Ref. Book/ e-content
	3	Constraints on Development Process	Low Productivity of Agriculture, Scarcity of Capital	4	Lecture	Textbook/Ref. Book/ e-content
	4	Constraints on Development Process	Inappropriate Technology Socio- Cultural Constraints	4	Lecture	Textbook/Ref. Book/ e-content
October	1	Constraints on Development Process	Political and Administrative Constraints, External Bottleneck	4	Lecture	Textbook/Ref. Book/ e-content
	2	Theories of Economic Development	Classical Theories- Adam Smith, Ricardo	4	Lecture	Textbook/Ref. Book/ e-content
	3	Theories of Economic Development	Malthus, Karl Mark's Theory of Economic Development	4	Lecture	Textbook/Ref. Book/ e-content
	4	Theories of Economic Development	Schumpeterian Theory of Economic Development * Assignment	4	Lecture	Textbook/Ref. Book/ e-content
November	1		Revisin & Internal Assesment	4		

Term - II

December	1	Approaches to Economic Development	5.1 Big Push Theory	4	Lecture	Textbook/Ref. Book/ e-content
	2	Approaches to Economic Development	5.2 Balanced Growth	4	Lecture	Textbook/Ref. Book/ e-content
	3	Approaches to Economic Development	5.3 Imbalanced Growth	4	Lecture	Textbook/Ref. Book/ e-content
	4	Foreign Capital and Development	6.1 Meaning & Role of Foreign Capital in Economic Development	4	Lecture	Textbook/Ref. Book/ e-content
January	1	Foreign Capital and Development	6.2 Problems of Foreign Capital	4	Lecture	Textbook/Ref. Book/ e-content
	2	Foreign Capital and Development	6.3 Private Foreign Investment- Types & Role	4	Lecture	Textbook/Ref. Book/ e-content
	3	Foreign Capital and Development	6.4 Public Foreign Investment-Types 6.5 Foreign Aid- Tide and Untied	4	Lecture	Textbook/Ref. Book/ e-content
	4	Macro Economic Policy	7.1 Monetary Policy- Objectives, Instruments and Limitations	4	Lecture	Textbook/Ref. Book/ e-content

February	1	Macro Economic Policy	7.2 Fiscal Policy- Objectives, Instruments and Limitations	4	Lecture	Textbook/Ref. Book/e-content
	2	Macro Economic Policy	7.3 Fiscal Policy in Cyclical Fluctuations	4	Lecture	Textbook/Ref. Book/e-content
	3	Economic Planning	8.1 Meaning & Definition 8.2 Need of Planning	4	Lecture	Textbook/Ref. Book/e-content
	4	Economic Planning	8.3 Objective of Economic Planning- Economic, Social and Political	4	Lecture	Textbook/Ref. Book/e-content
March	1	Economic Planning	8.4 Inclusive Growth Approach & 11th five year plan	4	Lecture	Textbook/Ref. Book/e-content
	2	Economic Planning	8.5 National Institution for Transforming India Aayog (NITI AYO)	4	Lecture	Textbook/Ref. Book/e-content
	3		Revision , Internal Assesment	4	Lecture	Textbook/Ref. Book/e-content


Signature of the Teacher


Head
Department of Economics
Arts, Science & Commerce College, Kolhar




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Department of Economics
Teaching Plan
Academic Year: 2020-21



Class: FYBCOM Subject: Business Economics (Micro)

Name of the Teacher: Dr. G. R. Deshmukh

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
July	1	Introduction and Basic Concepts	.1 Meaning, Nature, of Business Economics	4	Lecture	Textbook/Ref. Book/ e-content
	2	Introduction and Basic Concepts	Scope and Importance of Business Economics	4	Lecture	Textbook/Ref. Book/ e-content
	3	Introduction and Basic Concepts	Concept of Micro and Macro Economics, Tools for Economic Analysis- Functional Relationship, Schedules, Graphs and Equations	4	Lecture	Textbook/Ref. Book/ e-content
	4	Introduction and Basic Concepts	.4 Basic Concepts: Household, Consumer, Firm, Plant and Industry , 1.5 Goals of Firms- Economic and Non Economic	4	Lecture	Textbook/Ref. Book/ e-content
August	1	Consumer Behavior	Utility: Concept and Types	4	Lecture	Textbook/Ref. Book/ e-content
	2	Consumer Behavior	.2 Cardinal Approach: Law of Diminishing, Marginal Utility and Law of Equi Marginal	4	Lecture	Textbook/Ref. Book/ e-content

			Utility			
	3	Consumer Behavior	Consumer Surplus: Concept and Measurement	4	Lecture	Textbook/Ref. Book/ e-content
	4	Consumer Behavior	Ordinal Approach: Indifference curve Analysis- Concept, Characteristics, Consumer Equilibrium		Lecture	Textbook/Ref. Book/ e-content
September	1	Demand and Supply Analysis	1.1 Concept of Demand 3.2 Determinants of Demand 3.3 Law of Demand	4	Lecture	Textbook/Ref. Book/ e-content
	2	Demand and Supply Analysis	3.4 Elasticity of Demand 3.4.1 Price Elasticity of Demand - Meaning, Types, Measurement, Uses and Significance	4	Lecture	Textbook/Ref. Book/ e-content
	3	Demand and Supply Analysis	3.4.2 Income Elasticity of Demand-Meaning and Types, Cross Elasticity of Demand-Meaning, and Types	4	Lecture	Textbook/Ref. Book/ e-content
	4	Demand and Supply Analysis	3.5 Supply : Concept, Determinants and , Law of Supply, Equilibrium of Demand and Supply for , Price Determination	4	Lecture	Textbook/Ref. Book/ e-content
October	1	Production Analysis	4.1 Concept of Production Function 4.2 Total, Average and Marginal Production	4	Lecture	Textbook/Ref. Book/ e-content
	2	Production Analysis	4.3 Law of Variable Proportions 4.4 Law of Returns to Scale	4	Lecture	Textbook/Ref. Book/ e-content
	3	Production Analysis	4.5 Economies and Diseconomies of Scale Internal and External	4	Lecture	Textbook/Ref. Book/ e-content
	4	All	Revision, Internal assesment	4		

Semester - II

December	1	Cost and Revenue	Concepts and Types of Cost- Economic Cost and Accounting Cost, Private Cost and Social Cost, Actual Cost and Opportunity Cost, Explicit Cost and Implicit Cost,	4	Lecture	Textbook/Ref. Book/ e-content
	2	Cost and Revenue	Incremental Cost and Sunk Cost, Fixed Cost and Variable Cost, 1.2 Relation between Total Cost, Average Cost and Marginal Cost	4	Lecture	Textbook/Ref. Book/ e-content
	3	Cost and	1.3 Cost Curves in Short run and Long run	4	Lecture	Textbook/Ref.

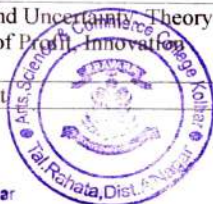
		Revenue				Book/ e-content
	4	Cost and Revenue	1.4 Concept of Total Revenue, Average Revenue and Marginal Revenue	4	Lecture	Textbook/Ref. Book/ e-content
January	1	Pricing Under Perfect Market Conditions	2.1 Pure Competition: Meaning and Features 2.2 Features of Perfect Competition	4	Lecture	Textbook/Ref. Book/ e-content
	2	Pricing Under Perfect Market Conditions	2.3 Price Determination in Perfect Competition 2.4 Equilibrium of Firm and Industry in Short Run and Long Run	4	Lecture	Textbook/Ref. Book/ e-content
	3	Pricing Under Imperfect Market Conditions	3.1 Meaning of Imperfect Competition 3.2 Monopoly: Features and Equilibrium, Price Discrimination	4	Lecture	Textbook/Ref. Book/ e-content
	4	Pricing Under Imperfect Market Conditions	3.3 Monopolistic Competition- Features and Equilibrium. 3.4 Oligopoly: Concept and Features	4	Lecture	Textbook/Ref. Book/ e-content
February	1	Pricing Under Imperfect Market Conditions	3.5 Duopoly: Concept and Features 3.6 Comparison of Perfect and Imperfect Competition	4	Lecture	Textbook/Ref. Book/ e-content
	2	Factor Pricing	4.1 Marginal Productivity Theory of Distribution 4.2 Rent- Meaning, Ricardian Theory of Rent, Modern Theory of Rent, Concept of Quasi Rent	4	Lecture	Textbook/Ref. Book/ e-content
	3	Factor Pricing	4.3 Wages 4.3.1 Meaning and Types of Wages a) Minimum Wages b) Money Wages c) Real Wages d) Subsistence Wages e) Fair Wages 4.3.2 Backward Bending Supply Curve of Labour	4	Lecture	Textbook/Ref. Book/ e-content
	4	Factor Pricing	4.3.3 Role of Collective Bargaining in Wage Determination 4.4 Interest-Meaning, Loanable Fund Theory, Liquidity Preference Theory	4	Lecture	Textbook/Ref. Book/ e-content
March	1	Factor Pricing	4.5 Profit- Meaning, Risk and Uncertainty Theory of Profit, Dynamic Theory of Profit, Innovation Theory of Profit	4	Lecture	Textbook/Ref. Book/ e-content
	2	All	Revision, Internal assessment	4		

Signature of the Teacher

[Signature]

Head

Department of Economics
Arts, Science & Commerce College, Kolhar



[Signature]
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Arts, Science and Commerce College, Kolhar



Department of Economics Teaching Plan Academic Year: 2020-21



Class: SYBCOM

Subject: Business Economics (Macro) -I/II

Name of the Teacher: Dr. G. R. Deshmukh

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semeste- I						
	2	Introduction to Macro Economics	1.1 Meaning and Definition of MacroEconomics. 1.2 Nature of Macro Economics.	4	Lecture	Textbook/Ref. Book/ e-content
	3	Introduction to Macro Economics	1.3 Scope of Macro Economics. 1.4 Significance of Macro Economics	4	Lecture	Textbook/Ref. Book/ e-content
	4	Introduction to Macro Economics	1.5 Limitations of Macro Economics. 1.6 Macro Economic Objectives.	4	Lecture	Textbook/Ref. Book/ e-content
	1	National Income	2.1 Meaning and Importance of National	4	Lecture	Textbook/Ref.
	2	National Income	2.3 Measurement of National Income: Methods and Difficulties	4	Lecture	Textbook/Ref. Book/ e-content
	3	National Income	2.4 Circular Flow of Income: Two sector model	4	Lecture	Textbook/Ref. Book/ e-content
	4	Theories of	3.1 The Classical Theory of Employment:	4	Lecture	Textbook/Ref.

		Output and Employment:	J.B.Say			Book/ e-content
September	1	Theories of Output and Employment:	3.2 Keynes Criticism on Classical Theories of Employment.	4	Lecture	Textbook/Ref. Book/ e-content
	2	Theories of Output and Employment:	3.3 Keynesian Theory of Employment.	4	Lecture	Textbook/Ref. Book/ e-content
	3	Consumption, Saving and Investment:	4.1 The Consumption Function: Meaning, Marginal Propensity to Consume (MPC), Keynes's Psychological Law of Consumption, Determinants of Consumption.	4	Lecture	Textbook/Ref. Book/ e-content
	4	Consumption, Saving and Investment:	4.2 The Saving Function: Meaning, Marginal Propensity to Save (MPS) Determinants of Savings, Relationship between Consumption and Saving Function (MPC and MPS)	4	Lecture	Textbook/Ref. Book/ e-content
October	1	Consumption, Saving and Investment:	4.3 Meaning and Types of Investment: Gross, Net, Induced and Autonomous	4	Lecture	Textbook/Ref. Book/ e-content
	2	Consumption, Saving and Investment:	4.4 Marginal Efficiency of Capital and its Determinants.	4	Lecture	Textbook/Ref. Book/ e-content
	3	Consumption, Saving and Investment:	4.5 Concepts of Investment Multiplier and Acceleration Principal.	4	Lecture	Textbook/Ref. Book/ e-content
	4		Revision, Internal Assessment	4		
Semester – II						
December	1	Money:	1.1 Meaning and Functions of Money. 1.2 Demand for Money: 1.2.1 Classical Approach. 1.2.2 Keynesian Approach.	4	Lecture	Textbook/Ref. Book/ e-content
	2	Money:	1.3 Supply of Money: Credit Creation of Commercial Banks, Money Measure of RBI (M1, M2, M3, M4).	4	Lecture	Textbook/Ref. Book/ e-content

	3	Money:	1.3.3 Credit Control Methods. 1.4 Value of Money	4	Lecture	Textbook/Ref. Book/ e-content
	4	Money:	1.4.1. Quantity Theory of Money. 1.4.2 Cash Balance Approach : Marshall, Pigou, Robertson and Keynes	4	Lecture	Textbook/Ref. Book/ e-content
January	1	Inflation:	2.1 Meaning and Definition 2.2 Causes of inflation	4	Lecture	Textbook/Ref. Book/ e-content
	2	Inflation:	2.3 Consequences of Inflation 2.4 Demand Pull and	4	Lecture	Textbook/Ref. Book/ e-content
	3	Inflation:	Cost Push Inflation 2.5 Stagflation: Meaning and Causes	4	Lecture	Textbook/Ref. Book/ e-content
	4	Trade cycle:	3.1 Meaning and Definition of Trade Cycle 3.2 Characteristics of Trade Cycle	4	Lecture	Textbook/Ref. Book/ e-content
February	1	Trade cycle:	3.3 Phases of Trade Cycle 3.4 Control of Trade Cycle: Monetary Measures and Fiscal Measures	4	Lecture	Textbook/Ref. Book/ e-content
	2	Public Finance:	4.1 Meaning and Definitions. 4.2 Scope of Public Finance.	4	Lecture	Textbook/Ref. Book/ e-content
	3	Public Finance:	4.3 Importance of Public Finance. 4.4 Meaning and Types of Tax.	4	Lecture	Textbook/Ref. Book/ e-content
	4	Public Finance:	4.5 Public Expenditure: Meaning and Causes of Increasing Public Expenditure.	4	Lecture	Textbook/Ref. Book/ e-content
March	1	Public Finance:	4.6 Public Debt: Meaning and Importance. 4.7 Budget: Meaning and Types	4	Lecture	Textbook/Ref. Book/ e-content
	2		Revision , Internal Assessment	4	Lecture	Textbook/Ref. Book/ e-content

Signature of the Teacher

Head
Department of Economics
Arts, Science & Commerce College, Kolhar



Principal
ARTS, SCIENCE & COMMERCE COLLEGE
KOLHAR, TAL. RAHATA, DIST. AHMEDNAGAR

Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar



Department of Economics
Teaching Plan
Academic Year: 2020-21



Class: TYBCom

Subject: International Economics.

Term - I

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
July	3	Introduction	1.1 Meaning and Scope of International Economics. 1.2 Importance of International Trade	4	Lecture	Textbook/Ref. Book/ e-content
	4	Introduction	1.3 Domestic Trade Vs International Trade	4	Lecture	Textbook/Ref. Book/ e-content
August	1	Introduction	1.4 Role of International Trade in Economic Growth	4	Lecture	Textbook/Ref. Book/ e-content
	2	Theories of International Trade	2.1 Theory of absolute cost advantage	4	Lecture	Textbook/Ref. Book/ e-content
	3	Theories of International Trade	2.2 Theory of comparative cost advantage	4	Lecture	Textbook/Ref. Book/ e-content
	4	Theories of International Trade	2.3 Theory of factor endowment (Hecksher-ohlin Theory, Leontief Paradox) 2.4 Intra Industrial Trade	4	Lecture	Textbook/Ref. Book/ e-content
September	1	Terms of Trade	3.1 Concept of Terms of Trade: Gross Barter	4	Lecture	Textbook/Ref.

			Terms of Tradem, Net Barter Terms of Trade, Income Terms of Trade and Trade Policy, Single Factorial Terms of Trade, Double Factorial Terms of Trade			Book/ e-content
	2	Terms of Trade	3.2 Factors affecting on Terms of Trade, 3.3 Free Trade Policy – Meaning, Arguments for and against	4	Lecture	Textbook/Ref. Book/ e-content
	3	Terms of Trade	3.4 Protection Policy – Meaning, Arguments for and against	4	Lecture	Textbook/Ref. Book/ e-content
	4	Regional and International Economic Co-operation	Regional Co-operation – European Union (E.U)	4	Lecture	Textbook/Ref. Book/ e-content
October	1	Regional and International Economic Co-operation	South Asian Association for Regional co-operation (SAARC)	4	Lecture	Textbook/Ref. Book/ e-content
	2	Regional and International Economic Co-operation	Concept of Trade Blocks and Economic Integration, South American Preferential Trading Arrangement (SAPTA)	4	Lecture	Textbook/Ref. Book/ e-content
	3	Regional and International Economic Co-operation	North Atlantic free Trade Agreement (NAFTA), BRICS – Introduction & Functions	4	Lecture	Textbook/Ref. Book/ e-content
	4		Revision & Internal Assesment	4	Lecture	Textbook/Ref. Book/ e-content

Term - II

December	1	Balance of Payment	5.1 Concept of Balance of Trade and Balance of Payments 5.2 Balance of Payment on current Account and Capital Account	4	Lecture	Textbook/Ref. Book/ e-content
	2	Balance of Payment	5.3 Measures to correct disequilibrium of Balance of Payment 5.4 Causes of disequilibrium of Balance of Payment	4	Lecture	Textbook/Ref. Book/ e-content
	3	Balance of	5.5 Convertibility of Rupee on Current and	4	Lecture	Textbook/Ref.

		Payment	Capital Account.			
	4	Foreign Exchange Rate	Meaning of Foreign exchange rate, Theories of Exchange Rate	4	Lecture	Book/ e-content Textbook/Ref. Book/ e-content
January	1	Foreign Exchange Rate	6.2 Fixed v/s flexible exchange rate	4	Lecture	Textbook/Ref. Book/ e-content
	2	Foreign Exchange Rate	6.3.1 Purchasing Power Parity Theory 6.3.2 Balance of Payments Theory	4	Lecture	Textbook/Ref. Book/ e-content
	3	Foreign Exchange Market	Structure of foreign exchange market, 7.2 Management of Foreign Exchange -inflow and outflow of foreign capital.	4	Lecture	Textbook/Ref. Book/ e-content
	4	Foreign Exchange Market	7.3 Euro Dollar Market – Nature and Scope	4	Lecture	Textbook/Ref. Book/ e-content
February	1	Foreign Exchange Market	7.4 Advantages & Disadvantages of Foreign Exchange Market.	4	Lecture	Textbook/Ref. Book/ e-content
	2	Factor Mobility and Foreign Trade Policy	8.1 Foreign Capital – Meaning of Foreign Direct Investment and Foreign Institutional Investments	4	Lecture	Textbook/Ref. Book/ e-content
	3	Factor Mobility and Foreign Trade Policy	8.2 Role of Multi National Corporations (MNC's)	4	Lecture	Textbook/Ref. Book/ e-content
	4	Factor Mobility and Foreign Trade Policy	8.3 Motives and effects of International Labour Migration	4	Lecture	Textbook/Ref. Book/ e-content
March	1	Factor Mobility and Foreign Trade Policy	8.4 India's Foreign Trade Policy since 1991 Features, Trends and Evaluation	4	Lecture	Textbook/Ref. Book/ e-content
	2		Revision & Internal Assessment	4	Lecture	Textbook/Ref. Book/ e-content



Signature of the Teacher

Head
Department of Economics
Arts, Science & Commerce College, Kolhar



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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar

	Department of Political Science Teaching Plan Academic Year: 2020-21	
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Class: FYBA

Subject: Introduction to Indian Constitution

Name of the Teacher:

Mr. Pandurang Shivaji Auti

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester – I						
June	3					
	4					
July	1	Unit- 1 Making of Indian Constitution	Formation of Constituent Assembly	4	Lecture Method	Reference Book
	2		Philosophy of the Preamble for Indian Constitution	4	Lecture Method	Reference Book
	3		Major Features: Parliamentary Democracy, Federalism, Independent Judiciary	4	Lecture Method	Reference Book
	4		Social Justice and Social Transformation	3	Lecture Method	Reference Book
August	1	Unit- 2 Fundamental Rights, Duties and the Directive Principles of State Policy	Nature of Fundamental Rights – Major Fundamental Rights	4	Power Point Presentation (PPT)	Reference Book

	2		Right to Equity Right to Liberty	4	Power Point Presentation (PPT)	Reference Book
	3		Right to Freedom of Religion Cultural and Educational Rights	4	Power Point Presentation (PPT)	Reference Book
	4		Importance of Fundamental Duties, Nature and Significance of Directive Principles of State Policy	3	Power Point Presentation (PPT)	Reference Book
September	1	Unit- 3 Federalism	Salient Features of Indian Federalism	4	Power Point Presentation (PPT)	Reference Book
	2		Centre –State Relations	4	Lecture Method	Reference Book
	3		Issues of Conflict-Water Issue	4	Lecture Method	Reference Book
	4		Border Issue and Sharing of Resources	3	Lecture Method	Reference Book
October	1	Unit- 4 Constitutional Amendments: Scope and Limitations	Introduction of Constitutional Amendments Provisions	4	Lecture Method	Reference Book
	2		Major Constitutional Amendments- 42nd Constitutional Amendment	4	Lecture Method	Reference Book
	3		44th Constitutional Amendment	3	Lecture Method	Reference Book
	4		86th Constitutional Amendment ,	2	Lecture Method	Reference Book
Total Lectures				58		

December	1	Unit- 5 Legislature	Union Legislature-Structure	4	Lecture Method	Reference Book
	2		Union Legislature- Powers and Role	4	Lecture Method	Reference Book
	3		State Legislature-Structure	4	Lecture Method	Reference Book
	4		State Legislature- Powers and Role	4	Lecture Method	Reference Book
January	1	Unit- 6 Executive	Union Executive – President and Vice President– Powers, Functions and Role	4	Power Point Presentation (PPT)	Reference Book
	2		Prime Minister - Powers, Functions and Role	4	Power Point Presentation (PPT)	Reference Book

	3		State Executive- Governor - Powers, Functions and Role	4	Power Point Presentation (PPT)	Reference Book
	4		Chief Minister – Powers, Functions and Role	4	Power Point Presentation (PPT)	Reference Book
February	1	Unit- 7 Judiciary	Supreme Court : Powers and Functions	4	Lecture Method	Reference Book
	2		High Court : Powers and Functions	4	Lecture Method	Reference Book
	3		High Court : Powers and Functions	4	Lecture Method	Reference Book
	4		Judicial Review and Judicial Activism	3	Lecture Method	Reference Book
March	1	Unit- 8 Electoral System	Election Commission: Composition, Functions and Role	4	Lecture Method	Reference Book
	2		Chief Election Commissioner	4	Lecture Method	Reference Book
	3		Electoral reforms	3	Lecture Method	Reference Book
	4					
Total Lectures				58		


Signature of the Teacher

Head
Department of Political Science
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Department of Political Science

Teaching Plan
Academic Year: 2020-21



Class: SYBA

Subject: An Introduction to Political Ideology

Name of the Teacher:

Mr. Pandurang Shivaji Auti

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Term – I						
June	3					
	4					
July	1	Unit- 1 Ideology	Origin, Meaning, Definition	4	Lecture Method	Reference Book
	2		Origin, Meaning, Definition	4	Lecture Method	Reference Book
	3		Nature and Scope	4	Lecture Method	Reference Book
	4		Nature and Scope	3	Lecture Method	Reference Book
August	1	Unit- 2 Nationalism	Meaning, Definitions and Elements	4	Power Point Presentation (PPT)	Reference Book
	2		Types of Nationalism-Progressive	4	Power Point Presentation (PPT)	Reference Book
	3		Types of Nationalism-Reactionary	4	Power Point Presentation (PPT)	Reference Book
	4		Internationalism	3	Power Point Presentation (PPT)	Reference Book

September	1	Unit- 3 Democratic Socialism	Meaning, Nature and Features	4	Power Point Presentation (PPT)	Reference Book
	2		Achievements and Limitations	4	Lecture Method	Reference Book
	3		Types : Feminism	4	Lecture Method	Reference Book
	4		Syndicalism, Guild Socialism	3	Lecture Method	Reference Book
October	1	Unit- 4 Fascism	Factors responsible for the rise of Fascism	4	Lecture Method	Reference Book
	2		Principles of Fascism	4	Lecture Method	Reference Book
	3		Principles of Fascism	3	Lecture Method	Reference Book
	4		Corporate State	2	Lecture Method	Reference Book
Total Lectures				58		

Term – II

Term - II						
December	1	Unit- 5 Marxism	Historical Materialism	4	Lecture Method	Reference Book
	2		Historical Materialism	4	Lecture Method	Reference Book
	3		Theory of Surplus Value	4	Lecture Method	Reference Book
	4		Marxian State	4	Lecture Method	Reference Book
January	1	Unit- 6 Phule- Ambekarism	Equality	4	Lecture Method	Reference Book
	2		Religion	4	Lecture Method	Reference Book
	3		Democracy	4	Lecture Method	Reference Book
	4		Democracy	4	Lecture Method	Reference Book
February	1	Unit- 7 Gandhism	Truth and Non-Violence	4	Lecture Method	Reference Book
	2		Theory of Satyagraha	4	Lecture Method	Reference Book
	3		Theory of Satyagraha	4	Lecture Method	Reference Book
	4		Gram Swaraj	3	Lecture Method	Reference Book
March	1	Unit- 8 Feminism	Meaning and Nature	4	Power Point Presentation (PPT)	Reference Book
	2		Liberal Feminism	4	Power Point Presentation (PPT)	Reference Book
	3		Feminism in India :	3	Power Point Presentation (PPT)	Reference Book
Total Lectures				58		

Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar



Department of Political Science
Teaching Plan
Academic Year: 2020-21



Class: TYBA

Subject: Political Ideology

Name of the Teacher:

Mr. Pandurang Shivaji Auti

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Term – I						
June	3					
	4					
July	1	Unit- 1 Ideology	Origin, Meaning, Definition	4	Lecture Method	Reference Book
	2		Origin, Meaning, Definition	4	Lecture Method	Reference Book
	3		Nature and Scope	4	Lecture Method	Reference Book
	4		Nature and Scope	3	Lecture Method	Reference Book
August	1	Unit- 2 Nationalism	Meaning, Definitions and Elements	4	Power Point Presentation (PPT)	Reference Book
	2		Types of Nationalism-Progressive	4	Power Point Presentation (PPT)	Reference Book
	3		Types of Nationalism-Reactionary	4	Power Point Presentation (PPT)	Reference Book
	4		Internationalism	3	Power Point Presentation (PPT)	Reference Book

September	1	Unit- 3 Democratic Socialism	Meaning, Nature and Features	4	Power Point Presentation (PPT)	Reference Book
	2		Achievements and Limitations	4	Lecture Method	Reference Book
	3		Types : Febianism	4	Lecture Method	Reference Book
	4		Syndicalism, Guild Socialism	3	Lecture Method	Reference Book
October	1	Unit- 4 Fascism	Factors responsible for the rise of Fascism	4	Lecture Method	Reference Book
	2		Principles of Fasicism	4	Lecture Method	Reference Book
	3		Principles of Fasicism	3	Lecture Method	Reference Book
	4		Corporate State	2	Lecture Method	Reference Book
Total Lectures				58		

Term – II

December	1	Unit- 5 Marxism	Historical Materialism	4	Lecture Method	Reference Book
	2		Historical Materialism	4	Lecture Method	Reference Book
	3		Theory of Surplus Value	4	Lecture Method	Reference Book
	4		Marxian State	4	Lecture Method	Reference Book
January	1	Unit- 6 Phule- Ambekarism	Equality	4	Lecture Method	Reference Book
	2		Religion	4	Lecture Method	Reference Book
	3		Democracy	4	Lecture Method	Reference Book
	4		Democracy	4	Lecture Method	Reference Book
February	1	Unit- 7 Gandhism	Truth and Non-Violence	4	Lecture Method	Reference Book
	2		Theory of Satyagraha	4	Lecture Method	Reference Book
	3		Theory of Satyagraha	4	Lecture Method	Reference Book
	4		Gram Swaraj	3	Lecture Method	Reference Book

March	1	Unit- 8 Feminism	Meaning and Nature	4	Power Point Presentation (PPT)	Reference Book
	2		Liberal Feminism	4	Power Point Presentation (PPT)	Reference Book
	3		Feminism in India :	3	Power Point Presentation (PPT)	Reference Book
	4					
Total Lectures				58		


Signature of the Teacher
 Head
 Department of Political Science
 Arts, Science & Commerce College, Kolhar




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Department of Commerce
Teaching Plan
Academic Year:2020-21



Class: F.Y.B.Com.

Subject: Financial Accounting subject
code- I term-112, Term II-122

Name of the Teacher; Dr.Archana Anil vikhe.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission Process F.Y.B.Com.2020-21 and M.Com.-I2020-21				
July	1	Unit 1- Accounting Concepts, Conventions and Principles and an overview of Emerging Trends in Accounting	(A)Accounting Concepts, Conventions and Principles 1. Money Measurement 2. Business Entity 3. Dual Aspect	04	Lecture	Textbook and Ref. Book
	2		4. Periodicity Concept 5. Realization Concept 6. Matching Concept 7. Accrual / Cash Concept 8. Consistency Concept 9. Conservatism Principle 10. Materiality Concept 11. Going Concern Concept 12. Historical Cost Concept	04	Lecture	Textbook and Ref. Book

	3		(B)Emerging Trends in Accounting 1. Inflation Accounting 2. Creative Accounting 3. Environmental Accounting 4. Human Resource Accounting 5. Forensic Accounting		Lecture	Textbook and Ref. Book
	4	Piecemeal Distribution of Cash		04	Lecture	Textbook and Ref. Book
	1		1. Surplus Capital Method only, Asset taken over by a partner, 2. Treatment of past profits or past losses in the Balance sheet, 3. Contingent liabilities		Lecture	Textbook and Ref. Book
	2		Practical Examples	04	Lecture	Textbook and Ref. Book
	3		Practical Examples	04	Lectures	Textbook and Ref. Book
	4	3 Accounts from Incomplete Records (Single Entry System)	1. Meaning of single entry 2. Features of Single Entry System	04	Lecture	Textbook and Ref. Book
	1		3. Conversion of Single Entry into Double Entry system	04	Lecture	Textbook and Ref. Book
	2		Practical Examples	04	Lecture	Textbook and Ref. Book
September	3		Practical Examples	04	Lecture	Textbook and Ref. Book
	4	4. Introduction to Goods and Services Tax laws and Accounting	1. Constitutional Background of GST, Concepts and definition of GST. 2. IGST, CGST and SGST 3. Input and Output Tax credit 4. Procedure for registration under GST	04	Lecture	Textbook and Ref. Book

October	1		3. Input and Output Tax credit	04	Lecture On PPT	Textbook and Ref. Book
	2		4. Procedure for registration under GST	04	Youtube	Textbook and Ref. Book
	3			04		
November	4	1. Software used in Accounting	. Types of Accounting Software transactions	04		
December	1		2. Use of Accounting Software	04	Lecture	Textbook and Ref. Book
	2		3. Installation of Accounting Software	04	Lecture	Textbook and Ref. Book
	1		4. Advantages and disadvantages of Accounting Software Voucher entry and Report Generation including GST	04	Lecture	Textbook and Ref. Book
	2	2. Final Accounts of Charitable Trust (Clubs, Hospitals, Libraries etc.)	. Meaning and Characteristics	04	Lecture	Textbook and Ref. Book
	3		Accounting Records	04	Lecture	Textbook and Ref. Book
	4		Income and Expenditure Account	04	Lecture	Textbook and Ref. Book
January	1		Receipt and Payment Account 5. Balance Sheet and Adjustments	04	Lecture	Textbook and Ref. Book
	2		Practical Example	04	Lecture	Textbook and Ref. Book
	3	3. Valuation of Intangibles	Valuation of Goodwill (Problem) 2. s 3.	04	Lecture	Textbook and Ref. Book
	4		Valuation of Brands	04	Lecture	Textbook and Ref. Book

February	1		Valuation of Patents, Copyright and Trademark etc.	04	Lecture	Textbook and Ref. Book
	2		Valuation of Patents, Copyright and Trademark etc.	04	Lecture	Textbook and Ref. Book
	3	4. Accounting for Leases	1. Types of Lease (Finance Lease and Operating Lease) Operating Lease Royalty,	04	Lecture	Textbook and Ref. Book
	4		Finance Lease (Hire Purchase and installment) (Theory)	04	Lecture	Textbook and Ref. Book
March	1		Minimum Rent, , Short Workings, Recoupment Of Short Working,	04	Lecture	Textbook and Ref. Book
	2		8. Lapse of Short Working Journal Entries and Ledger Accounts in the Books of Landlord and Lessee	04	Lecture	Textbook and Ref. Book
	3			04	Lecture	Textbook and Ref. Book


Signature of the Teacher


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Department of Commerce
Arts, Science and Commerce College, Kolhar




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Pravara Rural Education Society's
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Department of Commerce
Teaching Plan
Academic Year: 2020-21



Class: F.Y.B.Com.

Subject: Banking and Finance - I

Name of the Teacher: Dr. Kharde V.A.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Evolution of Banking	Meaning, Definition and Origin of 'Bank'	4	Lecture	Textbook/Ref. Book
	4		Evolution of Banking in Europe and Asia	4		
July	1		Evolution of Banking in India	4		
	2		Structure of Indian Banking System	4		
	3					
	4					
August	1		Primary Functions: o Accepting Deposits: i. Demand Deposits - Current Deposit and Savings Deposits; Time Deposits - Fixed Deposit and Recurring Flexi Deposits (Auto Sweep)	4	Lecture	Textbook/Ref. Book
	2		Granting Loans and Advances. Short Term Loan-Overdraft Facility Cash Credit Facility, Purchasing and Discounting of Bills, ii. Term Loan	4		
	3		Secondary Functions: A. Agency Functions- Payment and Collection of a Cheque, Bill and	4		

		Functions of Bank	<p>Promissory Note, Execution of standing instructions, Acting as a Trustee and Executor B. General Utility Functions- Safe Custody, Safe Deposit Vaults, Remittance of funds, Pension payments, Acting as a Dealer in Foreign Exchange (FOREX) Market.</p>			Book
	4		<p>C. Distribution of Third Party Products, Banc assurance, Mutual Funds, Issuance of Credit Card and Debit Card D. Non Fund Based Credit Facilities- Letter of Credit, Bank Guarantee and Deferred Payment. E. Government Business – Collecting GST, Stamp Duty, Excise Payment, etc. • Concepts of Priority and non- priority sector lending Security Based and Purpose Oriented Lending, Bridge Loans, Reserve Ratios- CRR and SLR. Credit Appraisal and Credit Monitoring</p>	4		
September	1	Procedure for Opening and Operating of Deposit Account	<p>Procedure for Opening of Deposit Account: Know Your Customer Norms, (KYC Norms), Application Form, Introduction, Proof of Residence, Specimen Signature, and Nomination Facility: Their Importance. No Frill Account</p>	4	Lecture	Textbook Ref Book
	2		<p>Procedure for Operating Deposit Account: Pay-in-slip, Withdrawal slip, Issue of Pass Book, (Current, Savings or Recurring Deposit), Issue of Cheque Book, Issue of Fixed Deposit Receipt, Premature encashment of a Fixed Deposit and Loan against Fixed Deposit. Recurring Deposit: Premature encashment and loan against Recurring Deposit.) Closure of Account b) Transfer of Account c) Death Claim Procedure</p>	4		
	3		<p>Types of Account Holders a) Individual Account Holders- Individual Account, Joint Account, Illiterate, Minor, Married Woman, Pardahnashin Woman, Non-Resident Account</p>	4		
	4		<p>b) Institutional Account Holders- Sole Proprietorship, Partnership Firm, Joint Stock Company, Hindu Undivided Family, Clubs, Associations, Societies and Trusts.</p>	4		

October	1	Methods of Remittance	Demand Draft, Bankers' Cheque	4	Lecture	Textbook/Ref. Book
	2		Electronic Funds Transfer (EFT) – Real Time Gross Settlement (RTGS), National Electronic Funds Transfer (NEFT), Procedure of fund transfer through NEFT/ RTGS,	4		
	3		Society for Worldwide Interbank Financial Telecommunication (SWIFT)	4		
	4		immediate Payment Service (IMPS) - Interbank (Bank to Bank) and Intra Bank (Branch to Branch) Fund Transfer	4		
December	1	Lending Principles and Balance Sheet of a Bank	Safety, Liquidity, Profitability, Diversification of risks and other Principles of Lending,	4	Lecture	Textbook/Ref. Book
	2		Conflict between Liquidity, Profitability and Safety	4		
	3		Customer assessment through CIBIL and other similar agencies	4		
	4		Balance sheet of a bank.	4		
January	1	Negotiable Instruments	Definition, meaning and characteristics of Negotiable instruments	4	Lecture	Textbook/Ref. Book
	2		Definition, meaning and characteristics of Promissory Note, Bill of Exchange and Cheque.	4		
	3		Types of Cheques- Bearer, Order and Crossed	4		
	4		Types of Crossing- General and Special. Dishonor of Cheque	4		
February	1		Definition and meaning of Endorsement	4		
	2		Types of Endorsement- Blank, Full or Special, Restrictive,	4		

March	3	Endorsement	Partial, Conditional, Sans Recourse, Facultative.	4	Lecture	Textbook/Ref. Book
	4		Effects of Endorsement.	4		
	1	Technology in Banking	Role and Uses of Technology in Banking	4	Lecture	Textbook/Ref. Book
	2		Automated Teller Machine (ATM) – onsite and offsite ATM, Cash Deposit machine, Cheque Deposit machine, Passbook Printing Machine, Note and Coin counting device, Fake currency detector, Credit card, Debit card –Personal Identification Number (PIN) – Use and Safety, Mobile Banking – Mobile Banking Applications - BHIM (Bharat Interface for Money) / UPI (Unified Payments Interface), Net Banking , Core Banking	4		
	3		Online enquiry and update facility, Home Banking Corporate and Personal.	4		
	4		Precautions in using Technology in Banking Current Trends in Banking Technology	4		

Sign of the Teacher

[Signature]
Head

Department of Commerce
Arts, Science and Commerce College, Kolhar



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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar



Department of Commerce
Teaching Plan
Academic Year: 2020-21



Class: F.Y.B.Com.

**Subject: Computer Concepts and
Application – I, Course Code –114 (B)**

Name of the Teacher: Mr.Gholap S.B.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission Process F.Y.B.Com.2020-21 and M.Com.-I 2020-21				
	4					
July	1	Introduction to Computer and Operating system	Introduction to Computer Definition, Block Diagram, Computer Hierarchy, (Classification), Characteristics of Computer	04	Lecture	Textbook and Ref. Book
	2		Computer System Hardware Computer Memory Input and Output Devices	04	Lecture	Textbook and Ref. Book
	3		Definition – Software Software Types - System Software, Application Software Definition of Operating System Types of Operating Systems,		Lecture	Textbook and Ref. Book

			Functions of Operating Systems			
	4	Office automation tools	Working with Windows Operating System: Introduction, The Desktop, Structure of Windows, Windows Explorer, File and Folder Operations, The Search, The Recycle Bin, Adding or Removing New Programs using, Control Panel, Applications in windows (Paint, Notepad, WordPad, and Calculator)	04	Lecture	Textbook and Ref. Book
August	1		Introduction to Free and Open Source Software Definition of Computer Virus , Types of Viruses, Use of Antivirus software.		Lecture	Textbook and Ref. Book
	2		MS-PowerPoint: Introduction, Starting MS-PowerPoint, Basics of PowerPoint, MS-PowerPoint Screen and Its Components, Elementary Working with MS PowerPoint	04	Lecture	Textbook and Ref. Book
	3	Introduction to Computer Network	Data Processing: Files and Records, File Organization (Sequential, Direct/Random, Index)	04	Lecture	Textbook and Ref. Book
	4		Introduction Importance of Networking Computer Network (LAN, WAN, MAN)	04	Lecture	Textbook and Ref. Book
	1		Network Components (Hub, Switch, Bridge, Gateway, Router, Modem) Network Topology, Wireless Network Internet and Internet application Introduction, Internet evolution, Working of Internet, Use of Internet	04	Lecture	Textbook and Ref. Book
September	2		Overview of World Wide Web (Web Server and Client) Introduction to Search engine and Searching the Web, Downloading files, Introduction to Web Browsers, Working with E-mail (creation	04	Lecture	Textbook and Ref. Book

		and use of the same)			
	3		Introduction to Internet Security Security, Privacy, Ethical Issues & Cyber Law	04	Lecture Textbook and Ref. Book
	4	Computer applications in Commerce	Computer Applications in Business – Need and Scope	04	Lecture Textbook and Ref. Book
October	1		Computer Applications in various fields of Commerce: Personnel Administration, Accounting	04	Lecture Textbook and Ref. Book
	2		, Cost and Budgetary Management, Purchasing, Banking, Insurance and Stock- broking, e-governance	04	Lecture Textbook and Ref. Book
	3		E-Commerce Defining e-Commerce, Main Activities of Electronic Commerce, Benefits of E- Commerce; Broad Goals of Electronic Commerce;	04	Lecture Textbook and Ref. Book
	4		Main Components of E-Commerce; Functions of Electronic Commerce – Communication, Process Management, Service Management, Transaction Capabilities;	04	Lecture Textbook and Ref. Book
December	1	Introduction to E- commerce Tools	Process of E-Commerce Types of E-Commerce; Role of Internet and Web in E-Commerce; Technologies Used in E-Commerce Systems	04	Lecture Textbook and Ref. Book
	2		E-Commerce Activities: Various Activities of E-Commerce; Various Modes of Operation Associated with E- Commerce;.	04	Lecture Textbook and Ref. Book
	3		Elements and Resources Impacting E- Commerce and Changes; Types of E- Commerce Providers and Vendors;	04	Lecture Textbook and Ref. Book

	4		Opportunity Development for E-Commerce Stages; Development of E-Commerce Business Case;	04	Lecture	Textbook and Ref. Book
January	1		Components and Factors for the Development of the Business Case; Steps to Design and Develop an E-Commerce Website	04	Lecture	Textbook and Ref. Book
	2	Introductions to E-Marketing	E-Marketing: Traditional Marketing; E-Marketing; Identifying Web Presence Goals – Achieving web presence goals,	04	Lecture	Textbook and Ref. Book
	3		Uniqueness of the web, Meeting the needs of website visitors, Site Adhesion: Content, format and access; Maintaining a Website; Metrics Defining Internet Units of Measurement; Online Marketing; Advantages of Online Marketing.	04	Lecture	Textbook and Ref. Book
	4		E-Customer Relationship Management: Customer Relationship Management (CRM) – Marketing automation, Enterprise customer management;	04	Lecture	Textbook and Ref. Book
February	1		Customer Relationship Management Areas; CRM Processes; Architectural Components of a CRM Solution – Customer's information repository, Campaign management, Event triggers, business logic and rules repository,	04	Lecture	Textbook and Ref. Book
	2		Forecasting and planning tools, Electronic Customer Relationship Management; Need, Architecture and Applications of Electronic CRM.	04	Lecture	Textbook and Ref. Book
	3		Supply Chain Management: Supply Chain Management (SCM); Goals of SCM; Functions of SCM; Strategies of SCM; Electronic SCM and its benefits; Components of Electronic SCM; Electronic Logistics and its Implementation.	04	Lecture	Textbook and Ref. Book

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Electronic Data Interchange

Architecture of EDI (M) Architecture
of EDI (M) Overview of the technology
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Introduction to ERP

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Factors Affecting ERP System Success

Factors Affecting ERP System Success
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Factors Affecting ERP System Success
Factors Affecting ERP System Success

Introduction to Digital Signature and
Certificate Authentication: Stages of MCA

Types of Digital Signature: Digital Cash,
Digital Cheque, Digital Stamp and
Digital Note and

Introduction to
M-commerce

Introduction to M-commerce: Advantages
and Disadvantages of M-commerce: M-
commerce and its applications
Types of M-commerce

Products and Services of M-commerce,
Mobile payment applications: Difference
between E-commerce and M-commerce

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Book

Signature

Signature of the Teacher

Head

Head

Department of Commerce
Arts, Science and Commerce College, Kolhar



Principal

Principal

Arts, Science & Commerce College
Kolhar, Dist. Ahmednagar

**Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar**



**Department of Commerce
Teaching Plan
Academic Year: 2020-21**



Class: S.Y.B.Com.

Subject: Marketing and Salesmanship-I

Name of the Teacher: Mr.Sagar Balasaheb Gholap

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission Process F.Y.B.Com.2020-21 and M.Com.-I 2020-21				
	4					
July	1	Introduction to Market and Marketing	1.1 Meaning and Definition of Market 1.2 Classification of Markets 1.3 Marketing Concept: Traditional and Modern 1.4 Importance of Marketing	04	Lecture	Textbook and Ref Book
	2		1.5 Functions of Marketing: Buying, Selling, Assembling, Storage, Transportation, Standardization, Grading, Branding, Advertising,	04	Lecture	Textbook and Ref Book
	3		Packaging, Risk Bearing, Insurance, Marketing Finance, Market Research and Marketing Information. 1.6 Selling vs. Marketing	04	Lecture	Textbook and Ref Book

October	1	Place Mix and Promotion Mix	a. Place Mix 1. Meaning and Definition of Place Mix	04	Lecture	Textbook and Ref. Book
	4		3.3.1 Meaning and Definition 3.3.2 Pricing Objectives 3.3.3 Factors Affecting Pricing Decision 3.3.4 Pricing Methods	04	Lecture	Textbook and Ref. Book
	3		3.2.4 Product Life Cycle 3.2.5 Factors Considered for Product Management 3.3 Price Mix	04	Lecture	Textbook and Ref. Book
	2	Product Mix and Price Mix	3.2.1 Meaning and Definition 3.2.2 Product Line and Product Mix 3.2.3 Product Classification	04	Lecture	Textbook and Ref. Book
September	1		2.2.4 Importance of Marketing Mix	04	Lecture	Textbook and Ref. Book
	4		2.2.3 Elements of Marketing Mix- Product, Price, Place and Promotion	04	Lecture	Textbook and Ref. Book
	3		2.2.2 Meaning & Definition 2.2.1 Introduction	04	Lecture	Textbook and Ref. Book
	2		2.1.5 Bases for Segmentation 2.1.4 Limitations 2.1.3 Importance	04	Lecture	Textbook and Ref. Book
	1		2.1.2 Meaning and Definition		Lecture	Textbook and Ref. Book
	4	Market Segmentation and Marketing Mix	2.1.1 Introduction 2.1 Market Segmentation: -		Lecture	Textbook and Ref. Book

		ii. Importance			
2		iii. Types of Distribution Channels – consumer goods and Industrial Goods iv. Factors Influencing selection of Channels	04	Lecture	Textbook and Ref. Book
3		4.2 Promotion Mix 4.2.1 Meaning of Promotion Mix 4.2.2 Elements of Promotion Mix- Personal Selling, Public Relation and Sales Promotion	04	Lecture	Textbook and Ref. Book
4		4.2.3 Factors Affecting Market Promotion Mix 4.2.4 Promotion Techniques or Methods	04	Lecture	Textbook and Ref. Book
December	1	Salesmanship 1.1 Meaning and Definition of Salesmanship 1.2 Features of Salesmanship	04	Lecture	Textbook and Ref. Book
	2	1.3 Scope of Salesmanship 1.4 Modern Concept of Salesmanship	04	Lecture	Textbook and Ref. Book
	3	1.5 Utility of Salesmanship 1.6 Elements of Salesmanship	04	Lecture	Textbook and Ref. Book
	4	1.7 Salesmanship : Arts or Science 1.8 Salesmanship – a Profession 1.9 Qualities of Salesman	04	Lecture	Textbook and Ref. Book
January	1	Process of Selling 2.1 Psychology of Salesmanship – Attracting Attention, Awakening Interest, Creating Desire and Action	04	Lecture	Textbook and Ref. Book
	2	2.2 Stages in Process of Selling – (i) Pre-Sale Preparations (ii) Prospecting (iii) Pre-Approach (iv) Approach	04	Lecture	Textbook and Ref. Book
	3	(v) Sales Presentation	04	Lecture	Textbook and Ref. Book


		(vi) Handling of Objections (vii) Close (viii) After Sales Follow-up			Book
	4	Rural Marketing 3.1 Rural Marketing 3.1.1 Introduction 3.1.2 Definition of Rural Marketing	04	Lecture	Textbook and Ref. Book
February	1	3.1.3 Features of Rural Marketing 3.1.4 Importance of Rural Marketing	04	Lecture	Textbook and Ref. Book
	2	3.1.5 Present Scenario of Rural Market	04	Lecture Lecture/PPT	Textbook and Ref. Book
	3	3.1.6 Challenges and Opportunities in Rural Marketing	04	Lecture	Textbook and Ref. Book
	4	Recent Trends in Marketing 4.1 Digital Marketing	04	Lecture	Textbook and Ref. Book
March	1	4.2 Green Marketing 4.3 Niche Marketing	04	Lecture	Textbook and Ref. Book
	2	4.4 E-marketing	04	Lecture	Textbook and Ref. Book
	3	4.5 Social Media Marketing- Challenges and Opportunities	04	Lecture	Textbook and Ref. Book
	4				



Signature of the Teacher



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Arts, Science and Commerce College, Kolhar

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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar



Department of Commerce
Teaching Plan
Academic Year: 2020-21



Class: F.Y.B.Com.

Subject: Banking and Finance - I

Name of the Teacher: Dr. Kharde V.A.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Evolution of Banking	Meaning, Definition and Origin of 'Bank'	4	Lecture	Textbook/Ref. Book
	4		Evolution of Banking in Europe and Asia	4		
July	1		Evolution of Banking in India	4		
	2		Structure of Indian Banking System	4		
	3					
	4					
August	1		Primary Functions: o Accepting Deposits: i. Demand Deposits - Current Deposit and Savings Deposits; Time Deposits - Fixed Deposit and Recurring Flexi Deposits (Auto Sweep)	4	Lecture	Textbook/Ref. Book
	2		Granting Loans and Advances. Short Term Loan-Overdraft Facility Cash Credit Facility, Purchasing and Discounting of Bills, ii. Term Loan	4		
	3		Secondary Functions: A. Agency Functions- Payment and Collection of a Cheque, Bill and	4		

		Functions of Bank	Promissory Note, Execution of standing instructions, Acting as a Trustee and Executor B. General Utility Functions- Safe Custody, Safe Deposit Vaults, Remittance of funds, Pension payments, Acting as a Dealer in Foreign Exchange (FOREX) Market.			Book
	4		C. Distribution of Third Party Products, Banc assurance, Mutual Funds, Issuance of Credit Card and Debit Card D. Non Fund Based Credit Facilities- Letter of Credit, Bank Guarantee and Deferred Payment. E. Government Business – Collecting GST, Stamp Duty, Excise Payment, etc. • Concepts of Priority and non- priority sector lending Security Based and Purpose Oriented Lending, Bridge Loans, Reserve Ratios- CRR and SLR. Credit Appraisal and Credit Monitoring	4		
September	1	Procedure for Opening and Operating of Deposit Account	Procedure for Opening of Deposit Account: Know Your Customer Norms, (KYC Norms), Application Form, Introduction, Proof of Residence, Specimen Signature, and Nomination Facility: Their Importance. No Frill Account	4	Lecture	Textbook Ref Book
	2		Procedure for Operating Deposit Account: Pay-in-slip, Withdrawal slip, Issue of Pass Book, (Current, Savings or Recurring Deposit), Issue of Cheque Book, Issue of Fixed Deposit Receipt, Premature encashment of a Fixed Deposit and Loan against Fixed Deposit. Recurring Deposit: Premature encashment and loan against Recurring Deposit.) Closure of Account b) Transfer of Account c) Death Claim Procedure	4		
	3		Types of Account Holders a) Individual Account Holders- Individual Account, Joint Account, Illiterate, Minor, Married Woman, Pardahnashin Woman, Non-Resident Account	4		
	4		b) Institutional Account Holders- Sole Proprietorship, Partnership Firm, Joint Stock Company, Hindu Undivided Family, Clubs, Associations, Societies and Trusts.	4		

October	1	Methods of Remittance	Demand Draft, Bankers' Cheque	4	Lecture	Textbook/Ref. Book
	2		Electronic Funds Transfer (EFT) – Real Time Gross Settlement (RTGS), National Electronic Funds Transfer (NEFT), Procedure of fund transfer through NEFT/ RTGS,	4		
	3		Society for Worldwide Interbank Financial Telecommunication (SWIFT)	4		
	4		immediate Payment Service (IMPS) - Interbank (Bank to Bank) and Intra Bank (Branch to Branch) Fund Transfer	4		
December	1	Lending Principles and Balance Sheet of a Bank	Safety, Liquidity, Profitability, Diversification of risks and other Principles of Lending,	4	Lecture	Textbook/Ref. Book
	2		Conflict between Liquidity, Profitability and Safety	4		
	3		Customer assessment through CIBIL and other similar agencies	4		
	4		Balance sheet of a bank.	4		
January	1	Negotiable Instruments	Definition, meaning and characteristics of Negotiable instruments	4	Lecture	Textbook/Ref. Book
	2		Definition, meaning and characteristics of Promissory Note, Bill of Exchange and Cheque.	4		
	3		Types of Cheques- Bearer, Order and Crossed	4		
	4		Types of Crossing- General and Special. Dishonor of Cheque	4		
February	1		Definition and meaning of Endorsement	4		
	2		Types of Endorsement- Blank, Full or Special, Restrictive,	4		

March	3	Endorsement	Partial, Conditional, Sans Recourse, Facultative.	4	Lecture	Textbook/Ref. Book
	4		Effects of Endorsement.	4		
	1	Technology in Banking	Role and Uses of Technology in Banking	4	Lecture	Textbook/Ref. Book
	2		Automated Teller Machine (ATM) – onsite and offsite ATM, Cash Deposit machine, Cheque Deposit machine, Passbook Printing Machine, Note and Coin counting device, Fake currency detector, Credit card, Debit card –Personal Identification Number (PIN) – Use and Safety, Mobile Banking – Mobile Banking Applications - BHIM (Bharat Interface for Money) / UPI (Unified Payments Interface), Net Banking , Core Banking	4		
	3		Online enquiry and update facility, Home Banking Corporate and Personal.	4		
	4		Precautions in using Technology in Banking Current Trends in Banking Technology	4		

Sign of the Teacher

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Head

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Arts, Science and Commerce College, Kolhar



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Department of Commerce
Teaching Plan
Academic Year: 2020-21



Class: F.Y.B.Com.


Subject: Business Environment and
Entrepreneurship

Name of the Teacher: Mr. Dighe V.G.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission Process F.Y.B.Com.2020-21 and M.Com.-I 2020-21				
	4					
July	1	Business Environment	Concept, Importance	4	Lecture	Textbook/Ref. Book
	2		Inter relationship between environment and entrepreneur,	4		
	3		Aspects of Environment- Natural- Economic - Political -	4		
	4		Social - Technical - Cultural - Educational – Legal	4		
August	1	Environment Issues	Pollution-Concept and types –Causes of pollution	4		
	2		Remedies of Pollution, Remedies of pollution protecting the natural environment	4		
	3		Conservation of natural resources	4		
	4		Opportunities in Environment	4		

					Lecture	Textbook/Ref. Book
September	1	Problems of growth	Unemployment- Concept-Types-Causes and Remedies	4	Lecture	Textbook/Ref. Book
	2		Poverty- Concept- Causes- Remedies	4		
	3		Regional Imbalance- Concept-Effects – Solutions	4		
	4		Social injustice- Concept, Effects, Solutions .Black Money –Meaning – Sources –Effects- Measures, Lack of technical knowledge and information	4		
October	1	The Entrepreneur	Evolution of the term entrepreneur – Definition	4	Lecture	Textbook/Ref. Book
	2		Competencies of an Entrepreneur	4		
	3		Distinction between entrepreneur and manager	4		
	4		Distinction between Entrepreneur and Enterprise, Entrepreneur Concept and importance –Distinction between Entrepreneur and Entrepreneur	4		
December	1	Entrepreneurial Behavior	Nature- Comparison between entrepreneurial and non-entrepreneurial	4	Lecture	Textbook/Ref. Book
	2		Personality	4		
	3		Habits of Entrepreneurs	4		
	4		Dynamics of Motivation	4		
January	1	Entrepreneurship	Concept- Need and Importance of Entrepreneurship	4	Lecture	
	2		Economic Development and Industrialization	4		
	3		Role of Entrepreneurship in economy	4		

	4		Entrepreneur as a catalyst	4		Textbook/Ref. Book
February	1	Institutions working for promoting entrepreneurship	1) Entrepreneurship Development Institute of India (EDII)	4	Lecture	Textbook/Ref. Book
	2		2) Maharashtra Centre for Entrepreneurship Development (MCED)	4		
	3		3) District Industries Centre (DIC) 4) Maharashtra Chamber of Commerce, Industries and Agriculture(MCCIA)	4		
	4		5) Role of local NGO in promoting Entrepreneurship	4		
March	1	Study of entrepreneurs	1) Hanumant Gaikwad (BVG)	4	Lecture	Textbook/Ref. Book
	2		2) Kiran Mazumdar Shaw	4		
	3		3) Suwasini Kirloskar	4		
	4		4) Any successful Entrepreneur from your area	4		


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Department of Commerce
Teaching Plan
Academic Year: 2020-21



Class: S.Y.B.Com.

**Subject: Business
Communication**

Name of the Teacher: Mr. Dighe V.G.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
June	3	Admission Process F.Y.B.Com.2020-21 and M.Com.-I 2020-21				
	4					
Semester - I						
July	1	Introduction of Business Communication	1.1 Introduction, Meaning, Definition. 1.2 Characteristics, Importance of communication.	4	Lecture	Textbook/Ref. Book
	2		1.3 Principles of communication, Process of communication	4		
	3		1.4 Barriers to communication & Remedies.	4		
	4		1.5 Methods and Channels of Communication.	4		
August	1	Business Letters	2.1 Meaning and Importance	4		

	2		2.2 Qualities or Essentials	4		
	3		Physical Appearance of Business Letter	4	Lecture	Textbook/Ref. Book
	4		2.3 Layout of Business Letter	4		
September	1	Soft skills	3.1 Meaning, Need, Importance. 3.2 Elements of soft skills	4	Lecture	Textbook/Ref. Book
	2		a) Manners & Etiquettes, Grooming. b) Effective Listening & Speaking	4		
	3		c) Interview Skills. d) Presentation e) Group Discussion	4		
	4		f) Problem-solving skills G) Time management abilities	4		
October	1	Resume writing & Job Application letters	4.1 Introduction	4	Lecture	Textbook/Ref. Book
	2		essential elements of Bio data	4		
	3		Resume writing, Curriculum Vitae	4		
	4		4.2 Meaning & Drafting of Job Application letter	4		
November	1					
	2					
	3					
	4					
December	1	Report Writing and Internal Correspondence	Meaning and Significance; Structure of Reports; Negative, Persuasive and Special Reporting	4	Lecture	Textbook/Ref. Book
	2		1. Informal Report – Proposals; 2. Formal Reports; 3. Project Report 4. Introduction and Essential elements of Report writing. (Reporting for a meeting)	4		
	3		5. Organization of Press Report. 6. Office Memo (Memorandums) 7. Office Orders 8. Office Circulars	4		

	4		9 Form Memos or Letters 10 Press Releases 11. Import Export Trade	4		
January	1	Recent Trends in Business Communication	Internet Email, Websites	4	Lecture	Textbook/Ref Book
	2		Social Media Network (Twitter, Face book, LinkedIn, You tube, WhatsApp) , Google Doc, Google Form, Google Sheet	4		
	3		Google Slide, Google Class Room, Online Conference, Video conferencing	4		
	4		Meeting through Zoom App, Google meet App ,Cisco Webex meetings App	4		
February	1	Types and Drafting of Business Letters	1) Enquiry Letters 2) Replies to Enquiry Letters	4	Lecture	Textbook/Ref Book
	2		3) Order Letters 4) Credit and Status Enquiries	4		
	3		5) Sales Letters 6) Complaint Letters	4		
	4		7) Collection Letters 8) Circular Letters	4		
March	1	Writing Formal Mails and Blog writing	4 1: Essential elements of mail	4	Lecture	Textbook/Ref. Book
	2		Format of mail	4		
	3		4 2 Introduction and meaning of Blog	4		
	4		Writing a blog	4		

[Signature]

Signature of the Teacher

[Signature]
Head

Department of Commerce
Arts, Science and Commerce College, Kolhar



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Pravara Rural Education Society's
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Department of Commerce
Teaching Plan
Academic Year: 2020-21



Class: S.Y.B.Com.

Subject: Corporate Accounting

Name of the Teacher: Mr. Dighe V.G.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission Process F.Y. B.Com.2020-21 and M.Com.- I 2020-21				
	4					
July	1	Accounting Standard	• Standards 5, 10	4	Lecture	Textbook/Ref. Book
	2		• Standards 14 Accounting and 21	4		
	3		Its applicability with Practical Examples	4		
	4		Its applicability with Practical Examples	4		
August	1	Profit Prior to Incorporation	• Introduction to the process on incorporation of a company.	4		
	2		• Difference between incorporation and commencement of a company.	4		

	3		• Accounting of incomes and expenses during Pre- and Post-Incorporation period.	4	Lecture	Textbook/Ref. Book
	4		• Basis of allocation and apportionment of income and expenses for the Pre and Post-Incorporation period.	4		
September	1	Company Final Accounts	• Preparation of Company Final Accounts	4	Lecture	Textbook/Ref. Book
	2		Forms and contents as per Provisions Schedule III of the Companies Act 2013 (with the amendments for the relevant academic year)	4		
	3		• Related adjustments and their treatment.	4		
	4		Illustrations	4		
October	1	Valuation of Shares	• Concept of Valuation, Need for Valuation,	4	Lecture	Textbook/Ref. Book
	2		• Special Factors affecting Valuation of Shares, Methods of Valuation	4		
	3		• Net Assets Method, Yield Basis Method,	4		
	4		• Fair Value Method	4		
November	1					
	2					
	3					
	4					
December	1	Holding Company Accounts	Calculation of Capital Profit, Revenue profit, Cost of Control.	4	Lecture	Textbook/Ref. Book
	2		Preparation of consolidated Balance sheet of Holding Company with one subsidiary only.	4		
	3		Adjustment of intercompany transactions	4		
	4		unrealized profit of stock	4		

January	1	Absorption of Companies	Introduction , Meaning - Vendor and Purchasing Companies	4	Lecture	Textbook/Ref. Book
	2		Purchase Consideration, Accounting entries in the books of vendor Company and Journal entries	4		
	3		Preparation of Balance Sheet after Absorption in the books of Purchasing Company	4		
	4		Illustrations	4		
February	1	Accounting for Liquidation of Companies	Meaning of Liquidation	4	Lecture	Textbook/Ref. Book
	2		Modes of winding up	4		
	3		(a) Preparation of Liquidator final statement of Account	4		
	4		(b) Preparation of Statement of Affairs and Deficiency Account.	4		
March	1	Forensic Accounting	Introduction , Meaning , Objectives Forensic Accounting ,	4	Lecture	Textbook/Ref. Book
	2		Types of Forensic Accounting	4		
	3		Nature and key principles of forensic accounting	4		
	4		Ethical principles and responsibilities	4		

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Pravara Rural Education Society's
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Department of Commerce
Teaching Plan
Academic Year: 2020-21



Class: S.Y.B.Com.		Subject: Business Management -I Course Code -234		Name of the Teacher: Dr. Vikhe Archana A.		
Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission Process F.Y.B.Com.2020-21 and M.Com.-I 2020-21				
	4					
July	1	1.MANAGEMENT	Meaning definition of Management • Need for Management study	04	Lecture	Textbook and Ref. Book
	2		• Process and levels of management • Functions of management	04	Lecture	Textbook and Ref. Book
	3		Contribution of F.W. Taylor, Henry Fayol, Peter Drucker, Mintzberg	04	Lecture	Textbook and Ref. Book
	4		Michel Porter in development of management thoughts	04	Lecture	Textbook and Ref. Book
August	1	2.Understanding Management :	Meaning, definition and nature of Planning	04	Lecture	Textbook and Ref. Book

		Planning and Decision Making	• Forms and types of Planning			
	2		• Steps in Planning • Limitations of Planning	04	Lecture	Textbook and Ref. Book
	3		• Meaning and techniques of Forecasting • Meaning, Types and Steps in Decision Making	04	Lecture	Textbook and Ref. Book
September	4	3. Management at Work : The process of organizing and staffing	Meaning, Process and Principles of Organizing • Need and importance of Staffing	04	Lecture	Textbook and Ref. Book
	1		• Concept of Authority and Responsibility	04	Lecture	Textbook and Ref. Book
	2		• Delegation of Authority • Difficulties in Delegation of Authority	04	Lecture	Textbook and Ref. Book
	3		Recruitment-Sources and Methods of Recruitment	04	Lecture	Textbook and Ref. Book
	4	4. Result orientation : Direction and Team Work	Meaning, Elements, Principles,	04	Lecture	Textbook and Ref. Book
	1		Techniques and Importance of Direction.	04	Lecture	Textbook and Ref. Book
	2		• Concept of Team Work, Group Dynamics	04	Lecture	Textbook and Ref. Book
October	3		principles regarding interpersonal communication and Group Behaviour	04	Lecture	Textbook and Ref. Book
	3					
	4					
December	1	1. Improving peoples' performance : Motivating the staff	Meaning, Importance and Theories of motivation	04	Lecture	Textbook and Ref. Book
	2		Maslow's Need Hierarchy Theory •	04	Lecture	Textbook and

						Ref. Book
	3		Herzberg's Two Factor Theory • Douglas MC Gregor's Theory of X and Y	04	Lecture	Textbook and Ref. Book
	4		• Ouchi's Theory Z • McJelland's Theory	04	Lecture	Textbook and Ref. Book
January	1	2 Organizing from frontLead	Meaning, Importance, Qualities and Functions of a leader	04	Lecture	Textbook and Ref. Book
	2		Leadership styles for effective management	04	Lecture	Textbook and Ref. Book
	3		• Contribution of Mahatma Gandhi, Dr. Babasaheb Ambedkar and Pt. Jawaharlal Nehru in leadership	04	Lecture	Textbook and Ref. Book
	4			04	Lecture	Textbook and Ref. Book
February	1	3 Achieving success at work : Coordination and Control	Meaning and need of coordination and control	04	Lecture	Textbook and Ref. Book
	2		• Techniques and difficulties in establishing coordination	04	Lecture	Textbook and Ref. Book
	3		• Techniques and difficulties in establishing control	04	Lecture	Textbook and Ref. Book
	4		• Steps in the process of control and its techniques	04	Lecture	Textbook and Ref. Book
March	1	4 Emerging trends in Business management	Corporate Social Responsibility,	04	Lecture	Textbook and Ref. Book
	2		• Corporate Governance and Corporate Citizenship	04	Lecture	Textbook and Ref. Book
	3		• Disaster Management And • Management of Change	04	Lecture	Textbook and Ref. Book
	4					


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Department of Commerce
Teaching Plan
Academic Year: 2020-21



Class: S.Y.B.Com.

Subject: Banking & Finance
Indian Banking System , Course
Code -236 B

Name of the Teacher: Dr. Vikhe Archana A.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission Process F.Y.B.Com.2020-21 and M.Com.-I 2020-21				
	4					
July	1	1. Indian Banking Structure	Evolution of 1.1 Banking in India Structure of 1.2 Banking in India	04	Lecture	Textbook and Ref. Book
	2		Role of Banking in Economic Development in India	02	Lecture	Textbook and Ref. Book
	3		Scheduled Banks and Non-scheduled Banks Challenges before Banking in India	02	Lecture	Textbook and Ref. Book
	4		Impact of COVID-19 on Banking Sector in India	02	Lecture	Textbook and Ref. Book
August	1	2. Central banking	Definition of 'Central Banking' Evolution of Reserve Bank of	04	Lecture	Textbook and Ref. Book

	2		India Functions of Reserve Bank of India	02	Lecture	Textbook and Ref. Book
	3		Present currency system in India Understanding of concepts : Bank	02	Lecture	Textbook and Ref. Book
	4		Rate, Cash Reserve Ratio (C.R.R.), Statutory Liquidity Ratio (S.L.R.), Repo Rate – Reverse Repo Rate	02	Lecture	Textbook and Ref. Book
September	1	3.Private banking	Meaning and features of Private Banking 3.2 Classification of Private Banking : Indian Private Banks – Old and New Foreign	04	Lecture	Textbook and Ref. Book
	2		Performance of Private Banks in India	04	Lecture	Textbook and Ref. Book
	3		Challenges before Private Sector Banks in India	04	Lecture	Textbook and Ref. Book
	4	4.Public sector Banking	Definition and Features of Public Sector, Banks Classification of Public Sector Banks	04	Lecture	Textbook and Ref. Book
October	1		State Bank of India – Evolution, Functions and Performance	04	Lecture	Textbook and Ref. Book
	2		Nationalised Banks – Social control, Meaning of Nationalisation, Arguments for and against Nationalisation – Merger of the Banks Regional Rural Banks	04	Lecture	Textbook and Ref. Book
	3		Objectives, Functions, Capital, Problems before Regional Rural Banks Lead Bank Scheme Challenges before Public Sector Banks in India	04	Lecture	Textbook and Ref. Book
	4					
Sem- II						
December	1	1.Co-operative Banking in India:	Meaning, significance principles of Cooperation	04	Lecture	Textbook and Ref. Book
	2		Evolution of Cooperative Banking in India	04	Lecture	Textbook and Ref. Book
	3		Structure of Co-operative Banking in India Role of Co-operative Banking in Economic development	04	Lecture	Textbook and Ref. Book
	4		Challenges before Co-operative Banking in India	04	Lecture	Textbook and Ref. Book

January	1	2. Development Banking in India:	Meaning and Features of Development Banking	04	Lecture	Textbook and Ref. Book
	2		Functions of Development Banks in India	04	Lecture	Textbook and Ref. Book
	3		Role of Development Banks in Economic development	04	Lecture	Textbook and Ref. Book
	4		Challenges before the Development Banking in India	04	Lecture	Textbook and Ref. Book
February	1	3. Selective Important Concepts of Banking	Central Banking, 3.2 Commercial Banking	04	Lecture	Textbook and Ref. Book
	2		Branch Banking, Unit Banking Wholesale Banking, Retail banking	04	Lecture	Textbook and Ref. Book
	3		Social Banking, Islamic Banking, Merchant Banking, Digital Banking	04	Lecture	Textbook and Ref. Book
	4	4. Banking Sector Reforms	Historical approach, Meaning and Goals of Banking Sector Reforms in India	04	Lecture	Textbook and Ref. Book
March	1		Banking Reform Measures i) Cash Reserve Ratio (C.R.R.) and Statutory Liquidity Ratio (S.L.R.)	04	Lecture	Textbook and Ref. Book
	2		Framework of Basel Committees on Banking Supervision Basel – I ii) Basel – II iii) Basel – III iv) Basel – IV	04	Lecture	Textbook and Ref. Book
	3		4.4 Recommendations of M. Narsimhan Committee-I (1991) 4.5 Recommendations of M. Narsimhan Committee-II (1998)	04	Lecture	Textbook and Ref. Book

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Department of Commerce
Teaching Plan
Academic Year:2020-21



Class: T.Y.B.Com. **Subject: Business Regulatory Framework (Mercantile Law)**
Course Code –301

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission Process F.Y.B.Com.2020-21 and M.Com.-I2020-21				
	4					
July	1	I Law of Contract - General Principles.(Indian Contract Act, 1872)	• Definition, Concept and kinds of contract • Offer and Acceptance.	04	Lecture	Textbook and Ref. Book
	2		• Capacity of parties. • Consideration. • Consent and free consent.	04	Lecture	Textbook and Ref. Book
	3		• Legality of object and consideration • Void Agreements • Discharge of contract	04	Lecture	Textbook and Ref. Book
	4		• Breach of contract and remedies		Lecture	Textbook and Ref. Book

			(Including damages, meaning, kinds and rules for ascertaining damages)	04		
August	1	2 Law of Partnerships. 2.1. Indian Partnership Act 1932.	Partnership, Definition and Characteristics, Types of Partners,	04	Lecture	Textbook and Ref. Book
	2		Rights, Duties and Liabilities of Partners, Dissolution of Partnership.	04	Lecture	Textbook and Ref. Book
	3		2.2. Limited Liability Partnership Act 2008: Limited Liability Partnership (LLP); Concept, Nature and Advantages, Difference between LLP and Partnership Firm, Difference between LLP and company, Partners and designated partners, Incorporation of LLP, Partners and their relations, Liability of LLP and Partners (Section 27).	04	Lecture	Textbook and Ref. Book
	4		Financial Disclosure by LLP, Contributions (Section 32), Assignments and Transfer of Partnership Rights (Section 42) Conversion to LLP (Section 55), Winding-up and dissolution (Section 63 & 64)	04	Lecture	Textbook and Ref. Book
September	1	3 Sale of Goods (Sale of Goods Act 1930)	Contract of sale-Concept and Essentials. Sale and agreement to sale	04	Lecture	Textbook and Ref. Book
	2		Goods-Concept and kinds. Conditions and warranties (Definition, Distinction, implied conditions and warranties)	04	Lecture	Textbook and Ref. Book
	3		Transfer by non-owners. Rights of Unpaid Seller and Remedial Measures	04	Lecture	Textbook and Ref. Book
	4	4 E-Contracts (E-Transactions/E-Commerce)	• Significance of E-Transactions /E-Commerce Nature, Formation, Legality, Recognition	04	Lecture	Textbook and Ref. Book
October	1		Relating to attribution, acknowledgement, dispatch of E-Records) • Digital Signatures –Meaning & functions,	04	Lecture	Textbook and Ref. Book
	2		Digital Signature certificates [Sections 35-39] • Legal issues involved in E-Contracts	04	Lecture	Textbook and Ref. Book
	3					

	4					
December	1	5 The Consumer Protection Act, 1986	<ul style="list-style-type: none"> • Salient features of the C.P. Act. • Definitions-Consumer, Complainant, Services, Defect & Deficiency, Complainant 	04	Lecture	Textbook and Ref. Book
	2		<ul style="list-style-type: none"> • , unfair trade practice, restrictive trade practice. • Consumer Protection Councils 	04	Lecture	Textbook and Ref. Book
	3		<ul style="list-style-type: none"> • Procedure to file complaint & Procedure to deal with complaint & Reliefs available to consumer.(Sec.12 to14) 	04	Lecture	Textbook and Ref. Book
	4		<ul style="list-style-type: none"> • Consumer Disputes Redressal Agencies. (Composition, Jurisdiction, Powers and Functions.) 	04	Lecture	Textbook and Ref. Book
January	1	6. Intellectual Property Rights : (IPRs):	<ul style="list-style-type: none"> • WIPO: Brief summary of objectives, organs, programmes& activities of WIPO.TRIPS: As an agreement to protect , characteristics, Rights of design holder. • Geographical Indications, Confidential Information & Trade Secrets, Traditional knowledge—Meaning & scope of these IPRs. 	04	Lecture	Textbook and Ref. Book
	2		<ul style="list-style-type: none"> • IPR-Objectives & categories of IPR covered by TRIPS. • Definition and conceptual understanding of following IPRs under the relevant Indian current statutes 	04	Lecture	Textbook and Ref. Book
	3		<ul style="list-style-type: none"> • Patent: Definition & concept, Rights & obligation of Patentee, its term. • Copyright: Characteristics & subject matter of copyright, Author & his Rights, term 	04	Lecture	Textbook and Ref. Book
	4		<ul style="list-style-type: none"> • Trademark: Characteristics, functions, illustrations, various marks, term, internet domain name- Rights of trademark holder. • Design: Importance 	04	Lecture	Textbook and Ref. Book
February	1	7 Negotiable Instruments Act,	<ul style="list-style-type: none"> • Concept of Negotiable Instruments: Characteristics, Meaning Important relevant 	04	Lecture	Textbook and Ref. Book

	1881:	definitions under the Act • Definitions, Essentials of promissory note, bill of exchange and cheque..			
2		Crossing of cheques – It's meaning and types. • Holder and holder in due course, Privileges of holder in due course.	04	Lecture	Textbook and Ref. Book
3		Distinction between these instruments. • Negotiation, endorsement, kinds of endorsement. • Liabilities of parties to negotiable instruments. • Dishonour of N. I., kinds, law relating to notice of dishonour. Dishonour of cheques	04	Lecture	Textbook and Ref. Book
4	8. Arbitration & Conciliation	: • Concept of Arbitration & Conciliation. • Definition & Essentials of Arbitration Agreement.	04	Lecture	Textbook and Ref. Book
March	1	• Power and Duties of Arbitration. Conciliation proceeding.	04	Lecture	Textbook and Ref. Book
	2	(Provisions of Arbitration & Conciliation Act, 1996 in nutshell to be covered.)	04	Lecture	Textbook and Ref. Book
	3		04	Lecture	Textbook and Ref. Book


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Department of Commerce **Teaching Plan** **Academic Year: 2020-21**



Class: T.Y.B.Com. Subject: Advanced Accounting


Name of the Teacher:
Dr. R.A. Dighe

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref . Book/ e- content/Guest Faculty/Any other)
Semester - I						
June	3	Admission Process p				
	4					
July	1	Accounting Standards & Financial Reporting	Accounting Standards & Financial Reporting (Introduction to IFRS-Fair Value Accounting):-	04	Lecture	Textbook and Ref. Book
	2		Brief Review of Indian Accounting Standard	04	Lecture	Textbook and Ref. Book
	3		Accounting Standard :- AS- 3, AS-7, AS-12, AS15 AS-17 to AS-25 simple practical examples of application nature.c.	04	Lecture	Textbook and Ref. Book
	4	2. Final Accounts of Banking	2. Final Accounts of Banking Companies	04	Lecture	Textbook and Ref. Book

		Companies				
	1		* Introduction of Banking Company - Legal Provisions - Non Performing Assets (NPA) - Reserve Fund - Acceptance, Endorsements & Other Obligations -	04	Lecture	Textbook and Ref. Book
	2		Bills for Collection - Rebate on Bills Discounted - Provision for Bad and Doubtful Debts - Preparation of Final Accounts in vertical form as per Banking Regulation Act 1949. * Introduction to Core Banking System.	04	Lecture	Textbook and Ref. Book
	3	3. Insurance Claim Accounts	A. Claim for Loss of Stock - Introduction -	04	Lecture	Textbook and Ref. Book
	4		Procedure for Calculation - Average Clause -	04	Lecture	Textbook and Ref. Book
	1		Overvaluation of Stock. B. Claim for Loss of Profit - Introduction - Indemnity under policy -	04	Lecture	Textbook and Ref. Book
September	2		Treatment of abnormal items of goods - Under & Some important terms - Procedure for ascertaining claims. C. Claim for Loss of Fixed Assets - Introduction - Some important terms - Procedure for ascertaining claims.	04	Lecture	Textbook and Ref. Book

	3	4. Final Accounts of Co-operative Societies :-	a. Credit Co-operative Societies - b. Consumer Co-operative Societies -	04	Lecture	Textbook and Ref Book
	4		Meaning - Allocation of Profit as per Maharashtra State Co-operative Societies Act.	04	Lecture	Textbook and Ref Book
October	1		Preparation of Final Accounts of Credit Co-operative	04	Lecture	Textbook and Ref Book
	2		Preparation of Final Accounts of Credit Co-operative	04	Lecture	Textbook and Ref Book
	3		Preparation of Final Accounts of Credit Co-operative	04	Lecture	Textbook and Ref Book
	4		Preparation of Final Accounts of Credit Co-operative	04	Lecture	Textbook and Ref Book
December	1	5. Computerized accounting practices:-	A. VAT & VAT Report B. Service Tax	04	Lecture	Textbook and Ref Book
	2		C. Central Value Added Tax D. Income Tax - Tax	04	Lecture	Textbook and Ref Book
	3		Deducted at Source (TDS)	04	Lecture	Textbook and Ref Book
	4		Including entries with the help of Accounting Software. (Demonstration and Hands Experience)	04	Lecture	Textbook and Ref Book
January	1	6. Branch Accounts :-	Stock and Debtors System :- Introduction - Types of Branches - Goods supplied at Cost & Invoice Price. T.Y. B.Com. w.e.f. 2015-16 Page 10 of 71	04	Lecture	Textbook and Ref Book

	2		Stock and Debtors System :- Introduction - Types of Branches - Goods	04	Lecture	Textbook and Ref. Book
	3		Goods supplied at Cost & Invoice Price	04	Lecture	Textbook and Ref. Book
	4	7. Single Entry System :-	Conversion of Single Entry into Double Entry :- Introduction -	04	Lecture	Textbook and Ref. Book
February	1		Preparation of Cash Book - Total Debtor Account - Total Creditor Account - Final Accounts.	04	Lecture	Textbook and Ref. Book
	2		Preparation of Cash Book - Total Debtor Account - Total Creditor Account - Final Accounts.	04	Lecture	Textbook and Ref. Book
	3	8. Analysis of Financial Statements :	Ratio Analysis :- Meaning - Objectives - Nature of Ratio analysis -	04	Lecture	Textbook and Ref. Book
	4		Problems on Ratio Analysis restricted to the following Ratio only -	04	Lecture	Textbook and Ref. Book
March	1		*Gross Profit Ratio *Net Profit Ratio *	04	Lecture	Textbook and Ref. Book
	2		Operating Ratio * Stock Turnover Ratio *	04	Lecture	Textbook and Ref. Book
	3		Debtor Turnover Ratio * Current Ratio *	04	Lecture	Textbook and Ref. Book
	4		Liquid Ratio * Debt to Equity Ratio	04	Lecture	Textbook and Ref. Book


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	Department of Commerce Teaching Plan Academic Year: 2020-21	
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Class: T.Y. B.Com. Subject: Auditing & Taxation Name of the Teacher: Dr. Kharde V.A.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission Process F.Y. B.Com.2020-21 and M.Com.- I 2020-21				
	4					
July	1	Introduction to Principles of Auditing and Audit Process.	Definition, Nature-objects-Advantages of Auditing-	4	Lecture	Textbook/Ref. Book
	2		Types of errors and frauds Various Classes of Audit.	4		
	3		Audit programme, Audit Note Book, Working Papers,	4		
	4		Internal Control-Internal Check-Internal Audit	4		
August	1	Checking, Vouching and Audit Report	Test checking-Vouching of Cash Book-Verification and Valuation of Assets and Liabilities.	4	Lecture	Textbook/Ref.
	2		Qualified and Clean Audit Report-Audit Certificate-	4		

September	3	Company Auditor	Difference between Audit Report and Audit Certificate.	4	Lecture	Textbook/Ref. Book
	4		Auditing and Assurance Standards. (AAS-1,2,3,4,5,28,29)	4		
	1		Qualification, Disqualifications, Appointment,	4		
	2		Removal, Rights, Duties and liabilities.	4		
October	3	Tax Audit	Definition of Accountant-Scope of Auditor's Role under Income Tax Act Compulsory Tax Audit-	4	Lecture	Textbook/Ref. Book
	4		Certification for Claiming exemptions Selective Tax Audit Tax Consultancy and Representation- Performa of Computerized Systems.	4		
	1	Audit of Computerized Systems	Auditing in an EDP environment-planning an audit in a computer Environment - problems encountered in an EDP environment General EDP Control – EDP Application Control-	4		
	2		System Development- Data transfer- Audit practice in relation to computerized systems-	4		
October	3		Computer Assisted Audit Techniques (Factors and Preparation of CAAT)	4	Lecture	Textbook/Ref. Book
	4			4		

Term- II

December	1	Important Concepts and Definitions under Income Tax Act-1961.	Income, Person, Assesses, Assessment year, Pervious year, Agricultural Income, Exempted Income, Residential Status of an Assessed, PAN, TAN	4	Lecture	Textbook/Ref. Book
	2			4		
	3	Computation of Taxable Income under the different Heads of Income	a. Income from Salary – Meaning of salary, Salient features of salary Allowances and tax Liability-	4		
	4		Perquisites and their Valuation- Deductions from salary. (Theory and Problems)	4		
January	1	Computation of	b. Income from House Property Basis of	4		

		Taxable Income under the different Heads of Income	Chargeability Annual Value Self occupied and let out property Deductions allowed (Theory and Problems)		Lecture	Textbook/Ref. Book
	2		c. Profits and Gains of Business and Professions Definitions, Deductions expressly allowed and disallowed (Theory And Problems)	4		
	3		d. Capital Gains Chargeability-definitions- Cost of Improvement, Short term and long term Capital gains (Theory only)	4		
	4		e. Income from other sources- Chargeability - deductions - Amounts not deductible.(Theory only)	4		
February	1	Computation of Total Taxable	Gross total Income-deductions u/s-80C, 80ccc to 80 U – Income Tax calculation-	4	Lecture	Textbook/Ref. Book
	2	Income of an Individual	Rates applicable for respective Assessment year Education cess	4		
	3	Miscellaneous	Tax deducted at source-Return of Income-) Advance payment of Tax methods of payment of tax-	4		
	4		Forms of Return -Refund of Tax. Theory	4		
March	1	Income Tax Authorities	Structure,	4	Lecture	Textbook/Ref. Book
	2		Functions and powers of various Income Tax	4		
	3		Authorities. (Administrative and Judicial),	4		
	4		Central Board of Direct Taxes	4		

Signature of the Teacher


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 Department of Commerce
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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar

	Department of Commerce Teaching Plan Academic Year: 2020-21	
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Class: T.Y.B.Com

Subject: Marketing Management II

Name of the Teacher: Mr. Dighe V.G.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref . Book/ e-content/Guest Faculty/Any other)
Term - I						
June	3	Admission Process F.Y. B.Com.2020-21 and M.Com.- I 2020-21				
	4					
July	1	Marketing Planning and Sales Forecasting	Meaning of Marketing Planning Importance of Marketing Planning	4	Lecture	Textbook/Ref. Book
	2		Types of Marketing Plan Elements of a Marketing Plan	4		
	3		Process of Preparing a Marketing Plan Meaning of Sales Forecast, Sales Budgets and Sales Quota	4		
	4		Sales Forecasting Methods Forecasting Techniques	4		

August	1	Social Marketing:	Meaning and Objectives of Social Marketing	4	Lecture	Textbook/Ref Book
	2		Social Responsibility of Marketing Manager	4		
	3		Impact of Marketing on Society and Other Business	4		
	4		Social Criticism of Marketing Recent Trends in Social Marketing	4		
September	1	Marketing Organisations	Meaning of Marketing Organisation Changing role of Marketing Organisation	4	Lecture	Textbook/Ref Book
	2		Factors affecting on Marketing Organisation	4		
	3		Essentials of an effective Marketing Organisation	4		
	4		Types of Marketing Organisation	4		
October	1	Marketing Strategies	Concept of Strategy	4	Lecture	Textbook/Ref Book
	2		Characteristics of Strategy	4		
	3		Meaning of Marketing Strategy Competitive Strategies in Global Environment	4		
	4		Benchmarking – A tool for effective Marketing Strategy – meaning, process and advantages of Benchmarking	4		
December	1	Agricultural marketing	Meaning of Agriculture Marketing Types of Agri-Products	4	Lecture	Textbook/Ref Book
	2		Features of Agri-Products Types of Markets – Defects of Agri- marketing and remedies	4		
	3		Marketing Intelligence System and Agriculture Marketing	4		

	4		Distinction between manufacture goods marketing and Agriculture goods marketing	4		
January	1	International Marketing	Meaning, nature, need and importance of International Marketing	4	Lecture	Textbook/Ref. Book
	2		International Marketing Vs Domestic Marketing	4		
	3		Problems and Challenges in International Marketing	4		
	4		Mode of entry in International Market, Scope of International Marketing	4		
February	1	Marketing Regulations	Importance of Marketing Regulations in Marketing. Relevance and importance of following Acts in the Context Marketing Management	4	Lecture	Textbook/Ref. Book
	2		Consumer Protection Acts, 1986 Trade Mark Acts, 1999	4		
	3		Competition Acts, 2002 Indian Patent (amendment) Acts, 2005	4		
	4		Bureau of Indian Standards Act	4		
March	1	Globalization and Marketing	Meaning of Globalization Features of Globalization	4	Lecture	Textbook/Ref. Book
	2		Marketing in 21st Century Impact of Globalization on marketing	4		
	3		Benefits and limitation of Globalization	4		
	4		Case study related to Global Marketing	4		


Signature of the Teacher


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Department of Commerce
Teaching Plan
Academic Year: 2020-21



Class: T.Y.B.Com.

Subject: Marketing Management.-III

Name of the Teacher: Mr.Sagar Balasaheb Gholap

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission Process F.Y.B.Com.2020-21 and M.Com.-I 2020-21				
	4					
July	1	Advertising I	a) Fundamentals of Advertising 1. Conceptual framework, Nature, Scope and Functions of Advertising 2. Role of Advertising in Modern Business	04	Lecture	Textbook and Ref. Book
	2		3. Advertising - Objectives - Types, Benefits and Limitations 4. Ethics in Advertising	04	Lecture	Textbook and Ref. Book
	3		b) Advertising Media 1. Definitions - Classifications and Characteristics of Different Media 2. Comparative Study of Advertising Media	04	Lecture	Textbook and Ref. Book
	4		3. Selection of Media-Factors		Lecture	Textbook and Ref. Book

	1		Affecting Selection of Media 4. Media Mix-Geographical selective-Media Scheduling 5. E-Advertising		Lecture	Textbook and Ref. Book
	2	Advertising II	Appeals and Approaches in Advertisement 1. Introduction- Different Appeals and their Significance	04	Lecture	Textbook and Ref. Book
	3		2. Advertising Message 3. Direct and Indirect Appeal	04	Lecture	Textbook and Ref. Book
	4		4. Relation between Advertising Appeal and Buying Motive 5. Positive and Negative Emotional Approaches	04	Lecture	Textbook and Ref. Book
	1		a) Introduction of Branding b) Brand identity	04	Lecture	Textbook and Ref. Book
September		Brand management				
	2		c) Advertising and Branding	04	Lecture	Textbook and Ref. Book
	3		d) Brand Extension	04	Lecture	Textbook and Ref. Book
	4		e) Identity Sources – symbols, logos, trademarks	04	Lecture	Textbook and Ref. Book
	1	Industrial Marketing	a) Introduction to Industrial Marketing	04	Lecture	Textbook and Ref. Book
October	2		b) Types of Industrial Goods	04	Lecture	Textbook and Ref. Book
	3		c) Difference between Industrial and Consumer Marketing	04	Lecture	Textbook and Ref. Book
	4		d) Purchasing practices of Industrial customers	04	Lecture/PPT	Textbook and Ref. Book
	1	Marketing Research	a) Meaning, nature and scope of Marketing Research	04	Lecture	Textbook and Ref. Book
December	2		b) Marketing Research process c) Types of Research	04	Lecture	Textbook and Ref. Book
	3		d) Types of Data	04	Lecture	Textbook and Ref. Book
	4		e) Types of Questionnaire	04	Lecture	Textbook and Ref. Book

January	1	Distribution Management	a) Warehousing and Transport decisions	04	Lecture	Textbook and Ref. Book
	2		b) Logistics – meaning, nature	04	Lecture	Textbook and Ref. Book
	3		c) Logistics Function	04	Lecture	Textbook and Ref. Book
	4		d) Warehousing – need, functions	04	Lecture	Textbook and Ref. Book
February	1	Target Marketing	e) Transportation – modes, factors affecting transportation costs	04	Lecture	Textbook and Ref. Book
	2		a) Meaning, nature, importance	04	Lecture	Textbook and Ref. Book
	3		b) Market Targeting	04	Lecture	Textbook and Ref. Book
	4	Marketing Control	c) Selection of Target Segment	04	Lecture	Textbook and Ref. Book
March	1		d) Targeting Strategies	04	Lecture	Textbook and Ref. Book
	2		a) Meaning, objectives of Marketing Control	04	Lecture	Textbook and Ref. Book
	3		b) Benefits of Marketing Control: - essential of an effective Marketing Control System	04	Lecture	Textbook and Ref. Book
	4		c) Techniques of Marketing Control	04	Lecture	Textbook and Ref. Book
			d) Process of Marketing Control	04	Lecture	Textbook and Ref. Book
			e) Marketing Audit – meaning, characteristics, objectives, process of Marketing Audit	04	Lecture	Textbook and Ref. Book

Signature of the
Teacher

Sholap

Head
Department of Commerce
Arts, Science and Commerce College, Kolhar



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Pravara Rural Education Society's
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Department of Commerce
Teaching Plan
Academic Year: 2020-21



Class: T.Y. B.Com. Subject: Banking & Finance - II

Name of the Teacher: Dr. Kharde V.A.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Indian Financial System	A) Financial Institutions - Regulatory, Intermediary and Non Intermediaries.	4	Lecture	Textbook/Ref. Book
	4		B) Financial Markets - Money and Capital Markets.	4		
July	1		C) Financial Instruments D) Indicators of Financial Development	4		
	2		E) Role of Financial System in Economic Development	4		
	3					
August	1	Indian Money Market	2.1 Meaning and Scope of Indian Money Market	4		
	2		2.2 Structure and Characteristics of Money Market 2.3 Functions of Indian Money Market	4		

	3		2.4 Institutions in the Money Market	4	Lecture	Textbook/Ref. Book
	4		2.5 Deficiencies of Indian Money Market. 2.6 Reforms in Indian Money Market after 1991	4		
September	1	Indian Capital Market	3.1 Meaning and Scope of Indian Capital Market. 3.2 Characteristics of Capital Market.	4	Lecture	Textbook/Ref. Book
	2		3.3 Participants of Capital Market BSE - Bombay Stock Exchange NSE -National Stock Exchange OTCEI - Over the Counter Exchange of India.	4		
	3		3.4 Primary and Secondary Markets: it's working	4		
	4		3.5 Reforms in Indian Capital Market after 1991.	4		
October	1	Foreign Exchange Market	1. Meaning, Segments, Participants.	4	Lecture	Textbook/Ref. Book
	2		2. Spot, Forward Market 3. Basics of Exchange Rate Determination	4		
	3		4. Rate Quotations 5. Methods of Foreign Exchange	4		
	4		6. Exchange Risk Management	4		
Term- II						
December	1	NBFI's (Non-Banking Financial Institutions)	5.1 Meaning and Types of NBFIs	4	Lecture	Textbook/Ref. Book
	2		5.2 Distinction between Bank And NBFIs	4		
	3		5.3 Functions of Following: 1. Lease Financing 2. Mutual Funds	4		
	4		3. Factoring 4. Housing Finance 5. Venture Capital 6. Merchant Bank	4		

January	1	Development Financial Institutions (DFIs)	1. IFCI - Industrial Finance Corporation of India	4	Lecture	Textbook/Ref. Book
	2		2. SIDBI - Small Industries Development Bank of India 3. SFCs - State Finance Corporations.	4		
	3		4. NSSIDC - National Small Scale Industrial Development Corporation	4		
	4		5. Mudra Bank 6. Bharatiya Mahila Bank	4		
February	1	Investment Institutions in India	7.1 UTI - Unit Trust of India. 7.2 Life Insurance Companies - Public & Private.	4	Lecture	Textbook/Ref. Book
	2		7.3 Non Life Insurance Companies - Public & Private.	4		
	3		7.4 Post office Savings Schemes	4		
	4		7.5 Provident Funds 7.6 Pension Funds	4		
March	1	Regulatory Institutions In Market : Organization Functions & Working of	Introduction	4	Lecture	Textbook/Ref. Book
	2		8.1 SEBI - Security Exchange Board of India	4		
	3		8.2 IRDA - Insurance Regulatory & Development Authority.	4		
	4		7.3 PFRDA - Provident Fund Regulatory Development Authority.	4		

Signature of the Teacher


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Department of Commerce

Teaching Plan

Academic Year: 2020-21



Class: T.Y.B.Com.

Subject: Banking & Finance III

Teacher Name- Dr. R.A. Dighe

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/ Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission Process				
	4					
July	1	LAWS RELATING TO BANKING IN INDIA	Provisions of The Banking Regulation Act, 1949, with reference to the following:	04	Lecture	Textbook and Ref Book
	2		Definition – Capital - Reserve Fund - Cash Reserve for Non Schedule Banks	04	Lecture	Textbook and Ref Book
	3		Liquid Assets – Licensing - Branch Licensing - Management Profit		Lecture	Textbook and Ref Book

			and Loss Account and Balance Sheet – Sec. 10, 29 & 30 Powers of the Reserve Bank of India – Sec. 35 & 36 Voluntary	04		
	4		Amalgamation – Sec. 44A Compulsory Amalgamation – Sec. 45 Liquidation – Sec. 45 Banking Regulation Act as applicable to Co-operative Banks)	04	Lecture	Textbook and Ref. Book
August	1	NEGOTIABLE INSTRUMENTS ACT, 1881	NEGOTIABLE INSTRUMENTS ACT, 1881 Definition, Characteristics and Presumptions of Negotiable Instruments.	04	Lecture	Textbook and Ref. Book
	2		Promissory Note, Bills of Exchange and Cheque – Definition and Features Parties to Negotiable	04	Lecture	Textbook and Ref. Book
	3		Instruments Negotiation Presentment Notice of Dishonor Noting and Protesting	04	Lecture	Textbook and Ref. Book

	4		Instruments Negotiation Presentment Notice of Dishonor Noting and Protesting	04	Lecture	Textbook and Ref. Book
September	1	Paying Banker	PAYING BANKER Precautions in Payment of Customers'	04	Lecture	Textbook and Ref. Book
	2		Cheques Paying Banker's Duties and Rights	04	Lecture	Textbook and Ref. Book
	3		Statutory Protection to Paying Banker	04	Lecture	Textbook and Ref. Book
	4		Payment of forged Cheque Return of cheques	04	Lecture	Textbook and Ref. Book
October	1	COLLECTING BANKER	COLLECTING BANKER Precautions in collecting Customer's Cheques	04	Lecture	Textbook and Ref. Book
	2		Collecting Banker's - Duties and Rights	04	Lecture	Textbook and Ref. Book
	3		Statutory Protection to Collecting Banker	04	Lecture	Textbook and Ref. Book
	4		Dishonor of Cheques by Non-Acceptance and Non-Payment 10	04	Lecture	Textbook and Ref. Book
November	1					
	2					
	3					
	4					
December	1	RELATIONSHIP BETWEEN BANKER	5 Relationship Between Banker And	04	Lecture	Textbook and Ref. Book

		AND CUSTOMER	Customer 14 Definition of Banker and Customer			
	2		Relationship as Debtor and Creditor Banker as Trustee Banker as Agent Banker's	04	Lecture	Textbook and Ref. Book
	3		Obligation of Secrecy of Accounts Banker's Lien Right of Set Off Disclosure permitted by the Banker's	04	Lecture	Textbook and Ref. Book
	4		Practices and Usage Bankers Obligation to honour Cheques Garnishee Order Termination of Relationship.	04	Lecture	Textbook and Ref. Book
January	1	6 SECURITIES FOR ADVANCES	6 SECURITIES FOR ADVANCES: Principles of Secured Advances	04	Lecture	Textbook and Ref. Book
	2		Precautions to be taken by the banker while advancing against: a.	04	Lecture	Textbook and Ref. Book
	3		Documents of title to Goods b. Real Estate c. Fixed Deposit Receipt d. Bullion e.	04	Lecture	Textbook and Ref. Book
	4		Supply Bills f. Life Insurance Policy g. Shares h.	04	Lecture	Textbook and Ref. Book

February	1	7. MODES OF CREATING CHARGE:	Agricultural Produce 7. MODES OF CREATING CHARGE: Lien , Pledge , Hypothecation	04	Lecture	Textbook and Ref. Book
	2		Mortgages and types of Mortgages,	04	Lecture	Textbook and Ref. Book
	3		Precautions to be taken by Bankers while creating and recording charge	04	Lecture	Textbook and Ref. Book
	4		Precautions to be taken by Bankers while creating and recording charge in EDI	04	Lecture	Textbook and Ref. Book
March	1	PROJECT APPRAISAL & RECOVERY MEASURES	8. Project Appraisal & Recovery Measures A) Steps In Project Appraisal -	04	Lecture	Textbook and Ref. Book
	2		Economic, Technical, Managerial, Operational and Financial Aspects.,	04	Lecture	Textbook and Ref. Book
	3		B) Recovery Measures: i) Legal Measures: Debt Recovery Tribunal – LokAdalat – Corporate Debt ii)	04	Lecture	Textbook and Ref. Book
	4		Non Legal Measures: Follow up action – One time settlement	04	Lecture	Textbook and Ref. Book

			- Recovery Camps - Recovering through Self Help Groups. Recovery System -			
April	1		Recovery under Securitisation and Reconstruction of financial Assets and enforcement of Security Interest Act	04	Lecture	Textbook and Ref. Book
	2					
	3					
	4					


Signature of the Teacher


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**Department of Commerce
Teaching Plan
Academic Year: 2020-21**



Class: M.Com- I

**Subject: Management
Accounting**

Name of the Teacher: Mr.Sagar Balasaheb Gholap

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/ Group Discussion/Rol e Play/ Field study/Screenin g of Videos/Any other)	Teaching Source (Textbook/Ref . Book/ e- content/Guest Faculty/Any other)
Semester - I						
June	3	Admission Process				
	4					
July	1	Accounting for Emerging Sectors	1. Limitations of conventional Financial Accounting	4	Lecture	Textbook/Ref. Book
	2		2. Emergence of Management Accounting and Cost Accounting	4		
	3		3. Advantages of Management Accounting and Cost Accounting	4		
	4		4. Distinction between Management Accounting and Cost Accounting	4		

August	1	Application of Management Accounting Techniques	5. Management Accounting as a decision making tool		Lecture	Textbook/Ref. Book
			1. Marginal Costing and Cost-Volume Profit (CVP) Analysis, Key Factors	4		
	2		2. Decision Making through Managerial Cost Accounting (Make or Buy Decision) Purchasing and Leasing	4		
	3		3. Techniques and Managerial Cost Accounting	4		
	4		4. Standardization of Accounting System	4		
September		Budgets as a tool for Decision Making	a. Fixed and Variable Cost Analysis	4	Lecture	Textbook/Ref. Book
	1		b. Application of Fixed and Variable Cost Analysis technique in decision making process	4		
	2		Budget Manual, Preparation of Budget	4		
	3		Master Budget, Purchase Budgets	4		
	4		Fixed Budget, Sales Budgets,	4		
October			Flexible Budget, Cash Budget	4	Lecture	Textbook/Ref. Book
	1		1. Concept and definition of working capital,			
	2		2. Determination of Working capital, Assessment of Working	4		
	3		3. Capital needs - Study of components of working capital such as cash management	4		
	4		4. Accounts receivable management and inventory management	4		


Signature of the Teacher


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Department of Commerce **Teaching Plan** Academic Year: 2020-21



Class: M.Com.		Subject: Strategic Management			Name of the Teacher: Dr. R.A. Dighe	
Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission Process				
	4					
July	1	1 Introduction to Strategic Management	1.1 Strategy - Concept and its evolution Strategic Management Characteristics ,dimensions and Approaches to strategic Decision Making	04	Lecture	Textbook and Ref. Book
	2		1.2 Strategic Management Process Components of Strategic Management	04	Lecture	Textbook and Ref. Book
	3		1.3 Model – Policies , Role of Top Management	04	Lecture	Textbook and Ref. Book

	4		1.4 Strategic implications of Social and Ethical Issues	04	Lecture	Textbook and Ref. Book
	1	2 Strategy Formulation ,Strategic Analysis and Strategic Planning	2.1 Organizational Goals, Mission and Social Responsibility	04	Lecture	Textbook and Ref. Book
	2		2.2 Analysis of Business Environment Internal analysis for Strategic Advantage –	04	Lecture	Textbook and Ref. Book
	3		2.3 Strategic Planning – meaning, steps, alternatives, advantages and Disadvantages.	04	Lecture	Textbook and Ref. Book
	4		2.4 Designing an effective Strategic Plan -	04	Lecture	Textbook and Ref. Book
September	1	3 Strategic Choices and Strategy Implementation	3.1 Generating Strategic Alternatives for Stability, Growth and Sustainable Strategies	04	Lecture	Textbook and Ref. Book
	2		3.2 Evaluation of Strategic Alternatives for developing Product portfolio Models and selection of Suitable	04	Lecture	Textbook and Ref. Book
	3		3.3 Corporate Strategy Implementation issues Planning and allocation of resources	04	Lecture	Textbook and Ref. Book
	4		3.4 Organizational Structures – factors affecting the choice , Degree of Flexibility and Autonomy .	04	Lecture	Textbook and Ref. Book

October	1	4 Functional Strategy and Strategic Review	4.1 Knowledge and Formulation of Functional Strategy for Marketing	04	Lecture	Textbook and Ref. Book
	2		4.2 Environment Sustainability CSR (Corporate Social Responsibility)	04	Lecture	Textbook and Ref. Book
	3		4.3 Human Resource Finance Logistics Evaluation of Strategic Performance – Criteria and Problems Concept of Corporate Restructuring ,Business Process Reengineering ,	04	Lecture	Textbook and Ref. Book
	4		4.4 Benchmarking ,	04	Lecture	Textbook and Ref. Book
November	1		4.5 TQM and Six Sigma	02	Lecture	Textbook and Ref. Book
	2		4.6 Chankyaniti - A Case study approach	02	Lecture	Textbook and Ref. Book
	3					
	4					
December	1	1 Introduction and Concepts	1.1 Meaning, Nature, Scope, Need and Significance of Industrial Economics	04	Lecture	Textbook and Ref. Book
	2		1.2 Industrial Combinations- causes, mergers and amalgamations, industrial monopoly control of monopolies	04	Lecture	Textbook and Ref. Book
	3		1.3 Sellers' Concentration, Economies of Scale	04	Lecture	Textbook and Ref. Book

	4		1.4 Product Pricing – theories and evidence - Tax	04	Lecture	Textbook and Ref. Book
January	1	2 Industrial Location	2.1 Factors Affecting Location of Industries	04	Lecture	Textbook and Ref. Book
	2		2.2 Theories of Industrial Location- Alfred Weber's theory, Sargent Florence Theory	04	Lecture	Textbook and Ref. Book
	3		2.3 Industrial Imbalance –Need for balanced regional industrial development-Causes and Measures of Industrial imbalance	04	Lecture	Textbook and Ref. Book
	4		2.4 Regional Industrial Imbalance in India – Extent and Government Policy Measures for Balanced Regional Industrial Development	04	Lecture	Textbook and Ref. Book
February	1	3 Industrial Productivity, Efficiency and Size of Firm	3.1 Industrial Productivity and Efficiency Meaning, Norm, Tools and measurement of Industrial Productivity and Efficiency	04	Lecture	Textbook and Ref. Book
	2		3.2 Factors Affecting Industrial Productivity and Efficiency	04	Lecture	Textbook and Ref. Book
	3		3.3 Industrial Productivity in India	04	Lecture	Textbook and Ref. Book
	4		3.4 Causes of Low Industrial Productivity 3.5 Remedial measures by the government to improve industrial productivity	04	Lecture	Textbook and Ref. Book
March	1		3.6 Size of Firm- Determinants of Size of Firm 3.7 Optimum Size of Firm- Meaning and its Determinants	04	Lecture	Textbook and Ref. Book

	2	4 Industrial Finance and Indian Industrial Growth	1 Meaning, Scope, Importance of Industrial Finance	04	Lecture	Textbook and Ref. Book
	3		4.2. Sources of Industrial Finance- private, public and cooperative sector, shares, debentures, bonds, deposits, loans etc.	04	Lecture	Textbook and Ref. Book
	4		4.3. Foreign Capital- need, government's policy, direct investment, foreign institutional investment,	04	Lecture	Textbook and Ref. Book
April	1		4.4 Form of Foreign Capital : Euro issues, GDR,ADR, External commercial borrowings	04	Lecture	Textbook and Ref. Book
	2		4.5 Industrial policy : Trends in Industrial Growth since 1991 4.6 Performance and Problems of Micro, Small, Medium Enterprises	04	Lecture	Textbook and Ref. Book
	3					
	4					

Prabhu

Signature of the Teacher

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Head

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Department of Commerce
Teaching Plan
Academic Year:2020-21



Class: M.Com.-I
(Sem-I)

Subject: - Production & Operation
Management Course Code –113

Name of the Teacher: Dr.VikheArchana A.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
June	3	1.Production and Operation Management : An Overview	Production and Operation Management : Meaning ,importance , Functions	04	Lecture	Textbook and Ref. Book
	4		Types of Production Systems – Mass Production /Flow Line , Continuous, Intermittent , Batch Production , Job Lots etc.	04	Lecture	Textbook and Ref. Book
July	1		, b. Service Systems – Recent trends in production and service systems	04	Lecture	Textbook and Ref. Book
	2		c. Plant Layout – Objectives , basic principles and types	04	Lecture	Textbook and Ref. Book
	3		d. Safety Considerations and environmental aspects	04	Lecture	Textbook and Ref. Book
	4					

August	1	2. Supply Chain Management	Supply chain Management : Introduction , Scope, Components, Process of Supply Chain Management	04	Lecture	Textbook and Ref. Book
	2		Process of Supply Chain Management.	04	Lecture	Textbook and Ref. Book
	3		b. Tools and Techniques of Supply Chain Management , Performance Measurement and implementation.	04	Lecture	Textbook and Ref. Book
	4		Career opportunities in Supply Chain management	04	Lecture	Textbook and Ref. Book
September	1	3. Production Planning and Control	Production Planning : Meaning , Objectives , Importance and its components.	04	Lecture	Textbook and Ref. Book
	2		b. Production Control : Meaning , Objectives, Significance and factors affecting Production Control	04	Lecture	Textbook and Ref. Book
	3		c. Product Design and Development – Concept , Process and factors affecting product development	04	Lecture	Textbook and Ref. Book
	4	4. Total Quality Management and Emerging Issues	Total Quality Management – Meaning , Dimensions , Objectives and	04	Lecture	Textbook and Ref. Book
October	1		importance b. Emerging Issues in Production and Operations Management	04	Lecture	Textbook and Ref. Book
	2		as a commercial bank, its role in industrial finance, in foreign exchange business	04	Lecture	Textbook and Ref. Book
	3		– i. Mobile Accessibility ii. Atomization of Operational Processes iii. Employee empowerment iv. Outsourcing v. Waste Management	02	Lecture	Textbook and Ref. Book

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Department of Commerce
Teaching Plan
Academic Year: 2020-21



Class: M.Com-1
Sem. - I

Subject: Financial Management

Name of the Teacher: Dr. Kharde V.A.

Month	Available Week	Title of the Unit	Sub-Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Introduction	Admission Process			
	4		Admission Process			
	1		Introduction & Meaning	4	Lecture	Textbook/Ref. Book
	2		objectives of Financial Management	4		
July	3		Financial systems in India - RBI, SEBI	4		
	4		New trends in Financial Management	4		
	1	Financial Statements	Introduction	4		
August	2		Concept of Financial Statements -	4		

	3	& Financial Analysis	Income and Balance Statements	4	Lecture	Textbook/Ref. Book
	4		Financial Analysis – Types and Techniques	4		
September	1	Investment Decisions	Capital Expenditure, Capital Budgeting,	4	Lecture	Textbook/Ref. Book
	2		Techniques of Capital Budgeting. Investment	4		
	3		Decision Methods – Payback	4		
	4		Net Present Value , A.R.R and I.R.R	4		
October	1	Working Capital & Credit Management	Introduction	4	Lecture	Textbook/Ref. Book
	2		Meaning and Nature of Working Capital and - Factors affecting Working Capital	4		
	3		Formulation of Credit Policy , Collection Policy Accounts Receivable Management,	4		
	4		Factoring and Lease Financing	4		



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	Department of Commerce Teaching Plan Academic Year: 2020-21	
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Class: M.Com- II

Subject: Financial Analysis & Control

Sagar Balasahab Gholap

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - II						
June	3	Admission Process				
	4					
July	1	Fundamentals of financial analysis and control	Meaning of financial analysis and control,	4	Lecture	Textbook/Ref. Book
	2		Meaning of financial analysis and control,	4		
	3		importance, advantages	4		
	4		Limitations & uses	4		
August	1	Comparative and common size	Meaning	4	Lecture	Textbook/Ref.
	2		importance, advantages	4		
	3		limitations, uses,	4		

	4	statement	Problems on Intra ,Inter Company Comparison	4		Book
September	1	Cash flow and fund flow statements	Meaning	4	Lecture	Textbook/Ref. Book
	2		importance,	4		
	3		advantages limitations,	4		
	4		uses Problems on Cash flow and fund flow statements	4		
October	1	Ratio analysis and trend analysis	Meaning,, importance	4	Lecture	Textbook/Ref. Book
	2		advantages, limitations	4		
	3		uses	4		
	4		Problems on Ratio analysis and Trend analysis	4		



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Department of Commerce
Teaching Plan
Academic Year: 2020-21

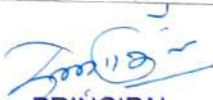


Class: M.Com.-I (Sem-I)		Subject: - M.Com. Part I Semester II Business Administration Special Paper III. Subject -: Business Ethics and Professional Values, Course Code -: 213			Name of the Teacher: Dr.V ikhe Archana A.	
Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission Process F.Y.B.Com.2020-2021 and M.Com.-I 2020-2021				
	4					
July	1	Unit I Introduction	Nature , concept and definition of term Business Ethics , Profession and Values,	04	Lecture	Textbook and Ref. Book
	2		Indian Ethos, Ethics and Values Work, Ethos – Importance of Human Values	04	Lecture	Textbook and Ref. Book
	3		Guidelines of Socio Ethical System at General Level.	04	Lecture	Textbook and Ref. Book
	4		Meaning of Social Ethics, Issues related to Socio Ethics Factors affecting Social Ethics	04	Lecture	Textbook and Ref. Book
August	1	Unit II –Indian	A) Marketing and Advertising	04	Lecture	Textbook and

		Ethical Practices				Ref. Book
	2		B) Copy rights and Patents C) Employment	04	Lecture	Textbook and Ref. Book
	3		D) Gender Discrimination	04	Lecture	Textbook and Ref. Book
	4		E) Accounting Disclosures	04	Lecture	Textbook and Ref. Book
September	1	Unit III Dilemmatic situations in Professional Ethics, Code of Ethics and conduct	1. Corporate Governance	04	Lecture	Textbook and Ref. Book
	2		2. Corporate Social Responsibility	04	Lecture	Textbook and Ref. Book
	3		3. Corporate Citizenship	04	Lecture	Textbook and Ref. Book
	4	Unit- IV Indian Approach to Business Ethics	Gandhian Approach in Management and Trusteeship Gandhi's Doctrine of Satya and Ahinsa,	04	Lecture	Textbook and Ref. Book
October	1		Concept , importance and relevance of trusteeship Principle in Modern Business	04	Lecture	Textbook and Ref. Book
	2		Concept , importance and relevance of trusteeship Principle in Modern Business	04	Lecture	Textbook and Ref. Book
	3		Emergence of new values in Indian Industries after economic reforms of 1991.	02	Lecture	Textbook and Ref. Book
	4					


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Department of Commerce
Teaching Plan
Academic Year: 2020-21



Class: M.Com.- I

**Subject: Element of knowledge
Mgt.**

Name of the Teacher: Dr. Kharde V.A.

Semester – II

December	1	Introduction to knowledge management	knowledge management Concepts Meaning Definition Nature of it in today Business world	4	Lecture	Textbook/Ref. Book
	2		knowledge management Process	4		
	3		Approaches to knowledge management	4		
	4		Difference between information and knowledge	4		
January	1	Tools and Techniques of knowledge management	Concepts meaning Types of Knowledge Sharing	4	Lecture	Textbook/Ref. Book
	2		System of Presenting knowledge	4		
	3		Role of knowledge management in management of Change	4		
	4		Measurement of knowledge management Role of a Leader in knowledge management	4		

February	1	Cross Functional areas and knowledge management	Finance and knowledge management	4	Lecture	Textbook/Ref. Book
	2		Marketing and knowledge management	4		
	3		E- Commerce and knowledge management	4		
	4		TQM and knowledge management	4		
March	1	Knowledge Strategies	Meaning Nature Scope and knowledge management Strategy creation	4	Lecture	Textbook/Ref. Book
	2		Using knowledge management to safeguard Intellectual Property	4		
	3		Knowledge engineering for IT based services	4		
	4		Future Prospects of knowledge Intensive Business services and its impact on the economy	4		

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Department of Commerce
Teaching Plan
Academic Year: 2020-21



Class: M.Com II

**Subject: Research Methodology
for Business**

Name of the Teacher: Mr. Dighe V.G.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester – III						
June	3	Admission Process F.Y. B.Com.2020-21 and M.Com.- I 2020-21				
	4					
July	1	Introduction to Business Research	Introduction. Definition, Objectives, Significance & Types of Research, Criteria of research	4	Lecture	Textbook/Ref. Book
	2		Features of a Good Research, Steps in Scientific Research Process, Research Methods versus Methodology	4		
	3		Ethics and Modern practices in Research: Ethical Issues in Research – Plagiarism, Role of Computer in	4		

			Research			
	4		Application of Statistical software- Introduction to SPSS	4		
August	1	Formulation of the Research Problem, Development of the Research Hypotheses, Research Design & Sampling	Research Problem: Defining the Research Problem, Techniques involved in Defining Research Problem Review of Literature	4	Lecture	Textbook/Ref. Book
	2		Hypotheses: Meaning, Definition & Types of Hypothesis, Formulation of the Hypotheses, Methods of testing Hypothesis	4		
	3		Research Design: Meaning, Nature & Classification of Research Design, Need for Research Design, Phases/Steps in Research Design	4		
	4		Sampling: Meaning & definition of Sampling, Key terms in Sampling, Types of Sampling: Probability & Non-probability, Sampling Errors	4		
September	1	Data Collection, Measurement & Scaling, Processing of Data: Sources of Data Collection:	Primary Data: Methods of Data Collection, Merits & Demerits Secondary Data: Internal & External Sources of Data Collection Factors influencing choice of method of data collection	4	Lecture	Textbook/Ref. Book
	2		Designing of a questionnaire – Meaning, types of questionnaire, Stages in questionnaire designing, Essentials of a good questionnaire	4		

			Schedule			
	3		Measurement & Scaling: Meaning & Types of Measurement Scale, Classification of Scales Processing of Data: Editing, Coding, Classification & Tabulation.	4		
	4		Analysis & Interpretation of Data: Types of Analysis- Univariate, Bivariate and Multivariate Analysis of Data	4		
October	1	Research Report and Mode of Citation & Bibliography:	Research Report: Importance of Report Writing, Types of Research Reports	4	Lecture	Textbook/Ref. Book
	2		Structure or Layout of Research Report	4		
	3		Mode of Citation & Bibliography: Author, Date, System, Footnote or Endnote System, Use of Notes. Position of Notes, Citing for the first time, Subsequent Citing, List of Abbreviation used in Citation	4		
	4		Mode of preparing a Bibliography, Classification of Entries, Bibliography Entries compared with Footnotes, Examples of Bibliography Entries	4		

	4		3.6 Liberalization, Privatization and Globalization: Arguments for and Against 3.7 Impact of Globalization on Indian Industry	4		
March	1	Major Industries in India	4.1 Importance of Major Industries in India 4.2 Iron and Steel Industry: Progress and Problems	4	Lecture	Textbook/Ref. Book
	2		4.3 Cotton Textile Industry : Progress and Problems 4.4 Sugar Industry : Progress and Problems	4		
	3		4.5 Cement Industry : Progress and Problems	4		
	4		4.6 Service Industry: Information Technology Industry and Tourism Industry –Progress and Problems	4		

Solap

Name of the Teacher

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Department of Commerce
Teaching Plan
Academic Year: 2020-21



Class: M.Com- II

Subject: Business Finance

Name of the Teacher: Dr. Kharde V.A.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/ Group Discussion/Rol e Play/ Field study/Screenin g of Videos/Any other)	Teaching Source (Textbook/Ref . Book/ e- content/Guest Faculty/Any other)
Semester - III						
June	3	Admission Process F.Y.B.Com.2020-21 and M.Com.-I 2020-21				
	4					
July	1	Business Finance	Introduction	4	Lecture	Textbook/Ref. Book
	2		1.1 Meaning, objectives, scope and importance	4		
	3		1.2 Time Value of Money: Need, Importance, Future value,	4		
	4		Present value through discounted cash flow technique	4		
August	1	Strategic Financial Planning:	2.1 Meaning - objectives, assumptions,	4		

	2		2.2 Steps in financial planning	4	Lecture	Textbook/Ref. Book
	3		2.3 Estimating financial requirements of firm - limitations of financial planning 2.4 Capitalization - over capitalization, undercapitalization,	4		
	4		2.5 Theories of capitalization, 2.6 Estimating financial	4		
September	1	Corporate Securities and Sources of Long term Finance:	Introduction	4	Lecture	Textbook/Ref. Book
	2		3.1 Ownership securities - equity shares: characteristics, advantage and disadvantages, preference shares: characteristics, advantage and disadvantages, Companies Act (Amendment) 2013	4		
	3		3.2 Creditor's securities- debentures: characteristics,	4		
	4		classification, procedure of issuing debentures and Bonds.	4		
October	1		3.3 Company Deposit	4		
	2		3.4 The dividend decision: Background of dividend policy,	4		
	3		Theories of dividend, Trend in dividend distribution in India,	4		
	4		Measures of dividend policy, dividend yield and dividend Payout	4		

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**Department of Commerce
Teaching Plan
Academic Year: 2020-21**



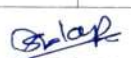
**Class: M.Com- II
Sem. - I**

**Subject: Human Resource
Management**

Name of the Teacher: Mr.Sagar Balasaheb Gholap

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - III						
June	3	Human Resource Management	Introduction to Human Resource Management: Meaning & Definition, Concept, Approaches, Functions.	4	Lecture	Textbook/Ref. Book
	4		Challenges of Human Resource Management in changing business scenario.	4		
July	1		Human Resource Environment: Technology and Structure, Network Organization's, Workforce Diversity.	4		
	2		HRM- Dual Career Employees, Employee Contract/ Leasing	4		
	3					
	4					

			Global Competition, TO and Labour Standards			
August	1	Human Resource Planning and Development	Objectives, Need and Estimation	4	Lecture	Textbook/Ref. Book
	2		Recruitment: Definition, Sources and Policy	4		
	3		Selection: Definition, Process and assessment, Interview and Induction	4		
	4		Retention of Manpower, Succession Planning.	4		
September	1	Training and Development, Performance Appraisal and Merit Rating	2.5.Kinds of Retirement: Resignation, Discharge, Dismissal, Suspension, Lay off.	4	Lecture	Textbook/Ref. Book
	2		Training : Meaning Purpose, Importance, Benefits Training Process and Methodology	4		
	3		Methods of Training, Evaluation and Feedback	4		
	4		Competency mapping,: meaning, benefits of competency mapping, 9 box tool of HR, Model,	4		
October	1		Performance Appraisal : Definition, Methods, Result Based Performance, Appraisal Errors, Ethics in Performance Appraisal, 360 Degree Feedback.Merit Rating – Promotions, Transfers, Job Description, JobEvaluation, Job Enlargement, Job Enrichment, Job Rotation	4		
	2	Recent Trends in HRM	E- HR- meaning, organization, Benefits and cost of E-HR and Future of E-HR,	4	Lecture	Textbook/Ref. Book
	3			4		
	4		Recent Trends in HRM after covid 19 : Workplace Diversity,	4		




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	Department of Commerce Teaching Plan Academic Year: 2020-21	
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Class: M.Com- II Subject: Capital Market & Financial Services Name of the Teacher: Dr. Kharde V.A.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - III						
June		4	Admission Process			
July	1	Business Finance	Introduction	4	Lecture	Textbook/Ref. Book
	2		1.1 Meaning, objectives, scope and importance	4		
	3		1.2 Time Value of Money: Need, Importance, Future value,	4		
	4		Present value through discounted cash flow technique	4		
August	1	Strategic Financial Planning	2.1 Meaning - objectives, assumptions,	4	Lecture	Textbook/Ref.
	2		2.2 Steps in financial planning	4		
	3		2.3 Estimating financial	4		

			requirements of firm - limitations of financial planning 2.4 Capitalization - over capitalization, undercapitalization,			Book
	4		2.5 Theories of capitalization, 2.6 Estimating financial	4		
	1		Introduction	4		
September	2	Corporate Securities and Sources of Long term Finance:	3.1 Ownership securities - equity shares: characteristics, advantage and disadvantages, preference shares: characteristics, advantage and disadvantages, Companies Act (Amendment) 2013 .	4	Lecture	Textbook/Ref. Book
	3		3.2 Creditor's securities- debentures: characteristics, classification, procedure of issuing debentures and Bonds.	4		
	4			4		
	1		3.3 Company Deposit	4		
October	2		3.4 The dividend decision: Background of dividend policy,	4		
	3		Theories of dividend, Trend in dividend distribution in India,	4		
	4		Measures of dividend policy, dividend yield and dividend Payout	4		

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	Department of Commerce Teaching Plan Academic Year: 2020-21	
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Class: M.Com.- II

**Subject: Recent Advances in Business
Administration**

Name of the Teacher: Mr. Sagar Balasaheb Gholap

Semester – IV

December	1	Contemporary Issues in Business Administration	Change management – Concept, Significance. Managing change-Important feature	4	Lecture	Textbook/Re f. Book
	2		Principals change Management	4		
	3		Dimensions Approaches towards managing change	4		
	4		Futuristic and strategic approach toward changing business environment	4		
January	1	Customer Centric Approach	Customer centric approach – meaning definition, strategies, internal and external Customers, full 360 view of the customer.	4	Lecture	Textbook/Re f. Book
	2		The challenges of becoming a customer centric company	4		
	3		Best practices to becoming a customer-centric company	4		
	4		Ways to measure the success of a customer centric Company	4		

February	1	Cross- Cultural Management System	Global management system- Concept, & Significance	4	Lecture	Textbook/Ref. Book
	2		Issues in cross cultural management	4		
	3		Acquisition & mergers- Role & importance	4		
	4		Current Trends in acquisitions & mergers on national & international scenario	4		
March	1	Turn Around and Innovation Management	Turn around Management - Concept & Significance; Techniques prerequisite for success.	4	Lecture	Textbook/Ref. Book
	2		Restructuring & Reengineering of business - Concept of innovation, Advantages and Significances of Innovation	4		
	3		Key Steps in Innovation Management	4		
	4		Role of Government and Private Institutions in promoting innovation	4		




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	Department of Chemistry Teaching Plan Academic Year: 2020-21	
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Class: F.Y.BSc

Subject: Physical Chemistry (CH-101)

Name of the Teacher: Mrs. Gaikwad R.J

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission				
	4	Admission				
July	1	Chemical Energetics	Introduction, Objectives of Thermodynamics, Zeroth law of thermodynamics, First law of Thermodynamics, Definition of certain Thermodynamics terms: open, closed & isolated system, Homogeneous system, State of system & State Variables.	11 L	PPT/Lecture	Textbook/Ref. Book
	2		Extensive & intensive properties, Thermodynamic process, Standard state, Enthalpy of		Lecture/PPT	Textbook/Ref. Book

			formation, problems, Entalpy of Neutralisation, Problems, Different kinds of enthalpy of reaction			
	3		Bond Enthalpy/Energy, Problems, kirchoff's equation, problems,		Lecture/PPT	Textbook/Ref. Book
	4		Problems on bond enthalpy, Third law of thermodynamics. importance of third law of thermodynamics.		Lecture/PPT	Textbook/Ref. Book
August	1	2. Chemical Equilibrium	Introduction: Free Energy and equilibrium - Concept, Definition and significance	11 L	Lecture/PPT	Textbook/Ref. Book
	2		The reaction Gibbs Energy, Exergonic and endergonic reaction. The perfect gas equilibrium, the general case of equilibrium, the relation between equilibrium constants, Molecular interpretation of equilibrium constant.		Lecture/PPT	Textbook/Ref. Book
	3		The response of equilibria to conditions- response to pressure, response to temperature		Lecture/PPT	Textbook/Ref. Book
	4		Van't Haff equation, Value of K at different temperature, Problems		Lecture/PPT	Textbook/Ref. Book
September	1	3. Ionic Equilibria	Strong, moderate and weak electrolytes, degree of ionization	14 L	Lecture/PPT	Textbook/Ref. Book
	2		factors affecting degree of ionization, ionization constant and ionic product of water.		Lecture/PPT	Textbook/Ref. Book
	3		Ionization of weak acids and bases, pH scale, common ion effect		Lecture/PPT	Textbook/Ref. Book
	4		Salt hydrolysis-calculation of hydrolysis constant, degree of hydrolysis and pH for different salts		Lecture/PPT	Textbook/Ref. Book
October	1		.. Buffer solutions. Solubility and solubility product of sparingly soluble		Lecture/PPT	Textbook/Ref. Book

	2		salts-			
	3		applications of solubility product principle.		Lecture/PPT	Textbook/Ref.Book
	4					
December	1	1. Atomic Structure	Origin of Quantum Mechanics: Why study quantum mechanics? Quantum mechanics arose out of interplay of experiments and Theory Energy quantization- i) Black body radiation ii) Lecture/PPT The photoelectric effect	14 L	Lecture/PPT	Textbook/Ref.Book
	2		iii) Wave particle duality-a) The particle character of electromagnetic radiation b) the wave character of particle, iv) diffraction by double slit		Lecture/PPT	Textbook/Ref.Book
	3		v) atomic spectra, Review of Bohr's theory and its limitations, Heisenberg Uncertainty principle.		Lecture/PPT	Textbook/Ref.Book
	4		Quantum mechanics: Time independent Schrodinger equation and meaning of various terms in it, Significance of ψ and ψ^2 , Schrödinger equation for hydrogen atom.		Lecture/PPT	Textbook/Ref.Book
January	1		Radial and angular parts of the hydrogenic wavefunctions (atomic orbitals) and their variations for 1s, 2s, 2p, 3s, 3p and 3d orbitals (Only graphical representation). Radial and angular nodes and their significance. Radial distribution functions and the concept of the most probable distance with special reference to 1s and 2s atomic orbitals		Lecture/PPT	Textbook/Ref.Book
	2		Significance of quantum numbers, orbital angular momentum and quantum numbers m_l and m_s . Shapes of s, p and d atomic orbitals, nodal planes. Discovery of spin, spin quantum number (s) and magnetic spin quantum number (m_s).		Lecture/PPT	Textbook/Ref.Book

February	3	2. Periodic table and Periodicity of Elements	Periodic table: periodic table after 150 years, review on the eve of international year of periodic table[IYPT].	10 L	Lecture/PPT	Textbook/Ref.Book
	4		Periodicity of elements: Rules for filling electrons in various orbitals, Electronic configurations of the atoms. Stability of half-filled and completely filled orbitals, concept of exchange energy. Relative energies of atomic orbitals, Anomalous electronic configurations		Lecture/PPT	Textbook/Ref.Book
	1	3.Chemical Bonding	Long form of periodic table-s, p, d and f block elements, Detailed discussion of following properties of elements with reference to s and p block		Lecture/PPT	Textbook/Ref.Book
	2		a) Effective nuclear charge, shielding or screening effect b) Atomic and ionic radii c) Crystal radii d) Covalent radii e) Ionization energies f) Electronegativity, Pauling's / electronegativity scale g) Oxidation states of elements		Lecture/PPT	Textbook/Ref.Book
	3		Attainment of stable electronic configurations, Types of Chemical bonds: Ionic, covalent, coordinate and metallic bonds	10 L	Lecture/PPT	Textbook/Ref.Book
	4		Ionic Bond: General characteristics of ionic bonding, Types of ions, Energy considerations in ionic bonding, lattice energy and solvation energy and their importance in the context of stability and solubility of ionic compounds. Statement of Born-Landé equation for calculation of lattice energy.		Lecture/PPT	Textbook/Ref.Book
March	1		Born-Haber cycle and its applications, polarizing power and polarizability. Fajan's rules, ionic character in covalent compounds, bond moment, dipole moment and percentage ionic character.		Lecture/PPT	
	2		Covalent bond: Valence Bond Approach, Hybridization with suitable examples of		Lecture/PPT	Textbook/Ref.Book

	linear, trigonal planar, square planar, tetrahedral, trigonal bipyramidal and octahedral arrangements. VSEPR theory, Assumptions, need of theory, application of theory to explain geometries of molecules such as i) ClF_3 ii) Cl_2O iii) BrF_5 iv) XeO_3 v) XeOF_4			
3				
4				

Signature of the Teacher




Head

Department of Chemistry
Arts, Science and Commerce College, Kolhar




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Arts, Science and Commerce College, Kolhar



Department of Chemistry
Teaching Plan
Academic Year: 2020-21



Class: F.Y.B.Sc.

**Subject: Organic Chemistry
(CH-102)**


Name of the Teacher: Mr. Kharde Amol Karbhari

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT /Group Discussion/ Role Play/ Field study/ Screening of Videos/Any other)	Teaching Source (Textbook/ Ref. Book/ e-content/ Guest Faculty/Any other)
Semester - I						
June	3		Admission			
	4		Admission			
July	1	1. Fundamentals of Organic Chemistry	Physical Effects, Electronic Displacements: Inductive Effect, Electromeric Effect, Resonance and Hyperconjugation. Cleavage of Bonds:	03	Lecture/PPT	Textbook
	2		Homolysis and Heterolysis. Structure, shape and reactivity of organic molecules: Nucleophiles and electrophiles. Reactive Intermediates: Carbocations, Carbanions and free radicals.	03	Lecture/PPT	Textbook
	3		Strength of organic acids and bases: Comparative	03	Lecture/PPT	Textbook

			study with emphasis on factors affecting pK values. Aromaticity: Benzenoids and Hückel's rule.			
	4	2. Stereochemistry	Introduction, classification, Interconversion of Wedge Formula, Newmann, Sawhorse and Fischer representations.	03	Lecture/PPT	Textbook
August	1		Conformations with respect to ethane, butane and cyclohexane.	03	Lecture/PPT	Textbook
	2		Configuration: Geometrical - cis – trans, and E / Z Nomenclature (for upto two C=C systems). Optical isomerism	03	Lecture/PPT	Textbook
	3		Enantiomerism, Diastereomerism and Meso compounds). Concept of chirality (upto two carbon atoms).	03	Lecture/PPT	Textbook
	4		Threo and erythro; D and L; nomenclature; CIP Rules: R/ S (for upto 2 chiral carbon atoms)	03	Lecture/PPT	Textbook
September	1	3. Aliphatic Hydrocarbons	Functional group approach for the following reactions (preparations & reactions) to be studied in context to their structure.	3	Lecture/PPT	Textbook
	2		Alkanes: (Up to 5 Carbons) Preparation: Catalytic hydrogenation, Wurtz reaction, Kolbe's synthesis, from Grignard reagent. Reactions: Free radical Substitution: Halogenation.	03	Lecture/PPT	Textbook
	3		Alkenes: (Up to 5 Carbons) Preparation: Elimination reactions: Dehydration of alkenes and dehydrohalogenation of alkyl halides (Saytzeff's rule); cis alkenes (Partial catalytic hydrogenation) and trans alkenes (Birch reduction). Reactions: cis-addition (alk. KMnO ₄) and trans-addition (bromine),	03	Lecture/PPT	Textbook
	4		Addition of HX (Markownikoff's and anti-Markownikoff's addition), Hydration, Ozonolysis, oxymercuration-demercuration, Hydroboration-oxidation. Alkynes: (Up to 5 Carbons) Preparation: Acetylene from CaC ₂ and conversion into higher alkynes;	03	Lecture/PPT	Textbook
October	1		dehalogenation of tetra halides and dehydrohalogenation of vicinal-dihalide Reactions:	03	Lecture/PPT	Textbook

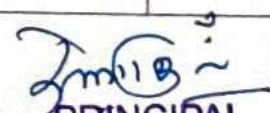
			formation of metal acetylides, addition of bromine and alkaline KMnO_4 , ozonolysis and oxidation with hot alk. KMnO_4 .			
	2					
	3					
	4					
Class: F.Y.B.Sc.		Subject: Analytical Chemistry (CH-202)				
December	1	1. Introduction to Analytical Chemistry	What is analytical Chemistry, the analytical perspectives, Common analytical problems.	03	Lecture/PPT	Textbook
	2	2. Calculations used in Analytical Chemistry	Some important units of measurements-SI units, distinction between mass and weight, mole, millimole and Calculations, significant figures	03	Lecture/PPT	Textbook
	3		Solution and their concentrations- Molar concentrations, Molar analytical Concentrations, Molar equilibrium concentration, percent Concentration, part per million, part per billion, part per thousand,	03	Lecture/PPT	Textbook
	4		Solution –dilutant volume ration, functions , density and specific gravity of solutions, problems Chemical Stoichiometry – Empirical and Molecular Formulas,	03	Lecture/PPT	Textbook
January	1	3. Qualitative Analysis of Organic Compounds	Stoichiometric Calculations, Problems. Types of organic compounds, characteristic tests and classifications, reactions of different functional groups, analysis of binary mixtures.	03	Lecture/PPT	Textbook
	2		Analysis – Detection of nitrogen, sulfur, halogen and phosphorous by Lassaigne's test. Purification of organic compounds- Introduction, recrystallization, distillation, sublimation	03	Lecture/PPT	Textbook
	3	4. Chromatographic Techniques – Paper and Thin	Introduction- Introduction to chromatography, IUPAC definition of chromatography. History of Chromatography- paper chromatography, Thin Layer Chromatography, Ion exchange	03	Lecture/PPT	Textbook

		Layer Chromatography	Chromatography,			
	4		Gas permeation Chromatography, affinity chromatography, Gas chromatography, Supercritical fluid chromatography, High Performance Liquid Chromatography, Capillary electrophoresis,	03	Lecture/PPT	Textbook
February	1		Classification of chromatographic methods – according to separation methods, according to development procedures. Thin Layer Chromatography: Theory and principles, outline of the method,	03	Lecture/PPT	Textbook
	2		surface adsorption and spot shape, Comparison of TLC with other forms of chromatography, adsorbents, preparation of plates, application of samples, development. Paper Chromatography- Origin, overview of technique,	03	Lecture/PPT	Textbook
	3		sample preparation, types of paper, solvents, equilibrium, development, sample application and detection, Identification, Quantitative methods, applications of paper chromatography	03	Lecture/PPT	Textbook
	4	5. pH meter	Introduction, pH meter, Glass pH electrode, combination of pH electrode-Complete Cell, Standard Buffer –reference for pH measurement,		Lecture/PPT	Textbook
March	1		Accuracy of pH measurement, Using pH meter – How does it works? Applications of pH meter.		Lecture/PPT	Textbook
	2					
	3					
	4					


Signature of the Teacher


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Department of Chemistry Teaching Plan Academic Year: 2020-21



Class: S.Y.BSc

Subject: Physical Chemistry (CH-301)

Name of the Teacher: Mrs. Gaikwad R.J

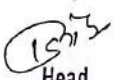
Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission				
	4					
July	1	Chemical Kinetics:	Introduction to kinetics, the rates of chemical reactions – definition of rates, rate laws and rate constants, reaction order and molecularity,	12	Lecture/PPT	Textbook/Ref. Book
	2		determination of rate law, factors affecting reaction rates, integrated rate laws – zeroth-order reactions, first-order reactions, second-order reactions (with equal and unequal initial concentration of reactants),		Lecture/PPT	Textbook/Ref. Book
	3		half-life period, methods for			

			determination order of a reactions, Arrhenius equation- temperature dependence of reaction rates, interpretation of Arrhenius parameters, reaction dynamics -,		Lecture/PPT	Textbook/Ref. Book
	4		collision theory and transition-state theory of bimolecular reactions comparison of the two theories, Problems		Lecture/PPT	Textbook/Ref. Book
August	1	Surface Chemistry	Introduction to surface chemistry - some basic terms related to surface chemistry adsorption, adsorption materials, factors affecting adsorption, characteristics of adsorption	6 L	Lecture/PPT	Textbook/Ref. Book
	2		types of adsorption, classification of adsorption isotherms, Langmuir adsorption isotherm, Freundlich's adsorption isotherm, BET theory (only introduction), application of adsorption, Problems		Lecture/PPT	Textbook/Ref. Book
	3	Errors in Quantitative Analysis Volumetric Analysis	Introduction to errors, limitations of analytical methods, classifications of errors, accuracy, precision, minimization of errors, significant figures and computation,	5 L 13 L	Lecture/PPT	Textbook/Ref. Book
	4		methods of expressing accuracy and precision: mean and standard deviations, reliability of results and numerical.		Lecture/PPT	Textbook/Ref. Book
	1		Introduction to volumetric analysis, classification of reactions in volumetric analysis, standard solutions, equivalents, normalities, and oxidation numbers, preparation of standard solutions, primary and secondary standards.		Lecture/PPT	Textbook/Ref. Book
September	2		1. Neutralization titrations: Theory of		Lecture/PPT	Textbook/Ref. Book

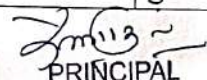
			determination of chloride and bromide, determination of iodide. Problems based on analysis.			
December	1	1. Phase equilibrium	Introduction; definitions of phase, components and degrees of freedom of a system;	9 L	Lecture/PPT	Textbook/Ref. Book
	2		stability of phases, criteria of phase equilibrium. Gibbs phase rule and its thermodynamic derivation, phase diagrams of one- component systems		Lecture/PPT	Textbook/Ref. Book
	3		water, carbon dioxide and sulphur systems,		Lecture/PPT	Textbook/Ref. Book
	4		problems		Lecture/PPT	Textbook/Ref. Book
January	1	2. Ideal and real solutions	Introduction, chemical potential of liquids - ideal solutions, ideal dilute solutions -Raoult's and Henry's Law,	9 L	Lecture/PPT	Textbook/Ref. Book
	2		phase diagram of binary systems : liquids -vapour pressure diagrams, temperature composition diagrams, liquid-liquid phase diagrams,		Lecture/PPT	Textbook/Ref. Book
	3		solubility of partially miscible liquids-critical solution temperature, effect of impurity on partially miscible liquids, Problems.		Lecture/PPT	Textbook/Ref. Book
	4	3. Conductometry	Introduction, Electrolytic Conductance, Resistance, conductance, Ohm's law, cell constant, specific and equivalent conductance, molar conductance, variation of equivalent and specific conductance with concentrations,	6 L	Lecture/PPT	Textbook/Ref. Book
February	1		Kohlrausch's law and its applications, conductivity cell, conductivity meter, Whetstone Bridge, determination of cell constant, conductometric titrations (strong acid-strong base, strong acid-weak base, weak acid strong base) and		Lecture/PPT	Textbook/Ref. Book

March	2		electromagnetic radiation with matter, essential terms: radiant power, transmittance, absorbance, molar, Lambert's Law, Beer's Law, Lambert-Beer's Law,	6 L	Lecture/PPT	Textbook/Ref. Book
	3		molar absorptivity, deviations from Beer's Law, Colorimeter: <i>Principle, Construction and components, Working.</i> Applications—unknown conc. By calibration curve method,		Lecture/PPT	Textbook/Ref. Book
	4		Determination of unknown concentration of Fe(III) by thiocyanate method, Numericals.		Lecture/PPT	Textbook/Ref. Book
	1	5. Column Chromatography	Introduction, Principle of Column Chromatography, Ion Exchange Chromatography: Ion exchange resins, action of ion exchange resin (Ion exchange equilibria, Ion exchange capacity), Experimental technique, Applications:	6 L	Lecture/PPT	Textbook/Ref. Book
	2		Separation of Metal ions / non-metal ions on Ion Exchange Chromatography (Zn(II) and Mg(II), Cl- and Br-), ii) Purification of water, Adsorption Chromatography—Liquid solid chromatography: Introduction, the technique of conventional chromatography,		Lecture/PPT	Textbook/Ref. Book
	3					

Signature of the Teacher






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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar

	Department of Chemistry Teaching Plan Academic Year: 2020-21	
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Class: S.Y.B.Sc. Subject: CH-302: Inorganic and Organic Chemistry

Name of the Teacher: Kadu Vinod Raosaheb

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission				
	4	Admission				
July	1	1. Molecular Orbital Theory of Covalent Bonding	Introduction to Molecular Orbital Method (MOT) and postulates of MO theory, LCAO approximation, s-s combination of orbitals, s-p combination of orbitals, p-p combination of orbitals, p-d combination of orbitals, d-d combination of orbitals, nonbonding combination of orbitals,	3	Lecture/PPT	Textbook/Ref. Book
	2		Rules for linear combination of atomic orbitals, example of molecular orbital treatment for homonuclear diatomic molecules: Explain following molecules with respect to MO energy level diagram, bond order and magnetism: H_2^+	3	Lecture/PPT	Textbook/Ref. Book

			molecule ion, H ₂ molecule, He ₂ ⁺ molecule ion			
	3		He ₂ molecule, Li ₂ molecule, Be ₂ molecule, B ₂ molecule, C ₂ molecule, N ₂ molecule, O ₂ molecule, O ₂ -and O ₂ ²⁻ ion, F ₂ molecule,	3	Lecture/PPT	Textbook/Ref. Book
	4		Heteronuclear diatomic molecules: NO, CO, HF.	3	Lecture/PPT	Textbook/Ref. Book
August	1	2. Introductio n to Coordinati on Compound s	Double salt and coordination compound, basic definitions: coordinate bond, ligand, types of ligands, chelate, central metal ion, charge on complex ion, calculation of oxidation state of central metal ion, metal ligand ratio;	3	Lecture/PPT	Textbook/Ref. Book
	2		Werner's work and theory, Effective atomic number, equilibrium constant chelate effect, IUPAC nomenclature.	3	Lecture/PPT	Textbook/Ref. Book
	3	3. Aromatic Hydrocarb ons:	Introduction and IUPAC nomenclature, preparation (Case benzene): from phenol, by decarboxylation, from acetylene, from benzene sulphonic acid. Reactions (Case benzene): Electrophilic substitution: nitration, halogenation and sulphonation.	3	Lecture/PPT	Textbook/Ref. Book
	4		Friedel-Craft's reaction (alkylation and acylation) (up to 4 carbons on benzene). Side chain oxidation of alkyl benzenes (up to 4 carbons on benzene).	3	Lecture/PPT	Textbook/Ref. Book

September	1	4. Alkyl and Aryl Halides:	Alkyl Halides (up to 5 Carbons): Introduction and IUPAC nomenclature, Types of Nucleophilic Substitution (S_N1 , S_N2 and S_Ni) reactions. Preparation: from alkenes and alcohols. Reactions: hydrolysis, nitrite & nitro formation, nitrile & isonitrile formation. Williamson's ether synthesis: Elimination vs. substitution.	3	Lecture/PPT	Textbook/Ref Book
	2		Aryl Halides: Introduction and IUPAC nomenclature, Preparation: (Chloro, bromo and iodo-benzene case): from phenol, Sandmeyer and Gattermann reactions. Reactions (Chlorobenzene): Aromatic nucleophilic substitution (replacement by $-OH$ group) and effect of nitro substituent. Benzyne Mechanism: KNH_2/NH_3 (or $NaNH_2/NH_3$). Reactivity and Relative strength of C-Halogen bond in alkyl, allyl, benzyl, vinyl and aryl halides.	3	Lecture/PPT	Textbook/Ref Book
	3	5. Alcohols, Phenols and Ethers (Up to 5 Carbons):	Alcohols: Introduction and IUPAC nomenclature, Preparation: Preparation of 1 $^\circ$, 2 $^\circ$ and 3 $^\circ$ alcohols: using Grignard reagent, ester hydrolysis, reduction of aldehydes, ketones, carboxylic acid and esters. Reactions: with sodium, HX (Lucas test), esterification, oxidation (with PCC, alc. $KMnO_4$, acidic dichromate, conc. HNO_3). Oppeneauer oxidation Diols: (Up to 6 Carbons) oxidation of diols. Pinacol-Pinacolone rearrangement.	3	Lecture/PPT	Textbook/Ref Book

	4		Phenols (Phenol case): Introduction and IUPAC nomenclature, Preparation: Cumene hydroperoxide method, from diazonium salts. Reactions: Electrophilic substitution: Nitration, halogenation and sulphonation. Reimer-Tiemann Reaction, Gattermann Reaction, Houben-Hoesch Condensation, Schotten-Baumann Reaction. Ethers (aliphatic and aromatic): Cleavage of ethers with HI	3	Lecture/PPT	Textbook/Ref. Book
Class: S.Y.B.Sc.		Subject: CH-402: Inorganic and Organic Chemistry				
December	1	1. Isomerism in coordination complexes	Introduction, polymerization isomerism, ionization isomerism, hydrates isomerism, linkage isomerism, coordination isomerism, coordination position isomerism, geometric isomerism, optical isomerism.	3	Lecture/PPT	Textbook/Ref. Book
	2	2. Valence Bond Theory of Coordination Compounds	Aspects and assumptions of VBT, applications of VBT on the basis of hybridization to explain the structure and bonding in $[\text{Ag}(\text{NH}_3)_2]^+$, $[\text{Ni}(\text{Cl}_4)]^{2-}$, $[\text{Ni}(\text{CN})_4]^{2-}$, $[\text{Cr}(\text{H}_2\text{O}_6)]^{3+}$, $[\text{Fe}(\text{CN})_6]^{3-}$ (Inner orbital complex) and $[\text{FeF}_6]^{3-}$ (outer orbital complex).	3	Lecture/PPT	Textbook/Ref. Book
	3		Use of observed magnetic moment in deciding the geometry in complexes with C.N.4, limitations of VBT.	3	Lecture/PPT	Textbook/Ref. Book
	4	3. Crystal Field Theory	Shapes of d-orbitals, Crystal field Theory (CFT): Assumptions, Application of CFT to i) Octahedral complexes (splitting of 'd' orbitals in Oh ligand field, effect of weak and strong ligand fields,	3	Lecture/PPT	Textbook/Ref. Book
January	1		colour absorbed and spectrochemical series, crystal splitting energy, Crystal field stabilization energy	3	Lecture/PPT	Textbook/Ref. Book

	2		factors affecting it, tetragonal distortion in Cu(II) complexes) ii) Square planar complexes	3	Lecture/PPT	Textbook/Ref. Book
	3		iii) Tetrahedral complexes; spin only magnetic moment of Oh and Td complexes.	3	Lecture/PPT	Textbook/Ref. Book
	4	4. Aldehydes and Ketones (aliphatic and aromatic)	Introduction and IUPAC nomenclature, Preparation: from acid chlorides and from nitriles. Reactions – Reaction with HCN, ROH, NaHSO ₃ , NH ₂ -G derivatives. Iodoform test, Aldol Condensation, Cannizzaro's reaction,	3	Lecture/PPT	Textbook/Ref. Book
	1		Wittig reaction, Benzoin condensation, Clemenson reduction and Wolff Kishner reduction. Meerwein-Pondorff Verley reduction.	3	Lecture/PPT	Textbook/Ref. Book
Februar y	2	5. Carboxylic acids and their derivatives	Carboxylic acids (aliphatic and aromatic): Introduction and IUPAC nomenclature, Preparation: Acidic and Alkaline hydrolysis of esters. Reactions: Hell-Vohlard - Zelinsky Reaction.	3	Lecture/PPT	Textbook/Ref. Book
	3		Carboxylic acid derivatives (aliphatic): (up to 5 carbons) Preparation: Acid chlorides, Anhydrides, Esters and Amides from acids and their inter conversion. Reaction: Comparative study of nucleophilicity of acyl derivatives. Reformatsky Reaction, Perkin condensation.	3	Lecture/PPT	Textbook/Ref. Book
	4	6. Amines and Diazonium Salts:	Amines (Aliphatic and Aromatic): Introduction and IUPAC nomenclature, Preparation from alkyl halides, Gabriel's Phthalimide synthesis, Hofmann Bromamide reaction. Reactions: Hofmann vs. Saytzeff elimination, Electrophilic substitution (Case Aniline): nitration, bromination, sulphonation. Diazonium salts: Preparation from aromatic amines.	3	Lecture/PPT	Textbook/Ref. Book

March	1	7. Stereochemistry of Cyclohexane:	Bayer's strain theory, heat of combustion of cycloalkanes, structure of cyclohexane, axial and equatorial H atoms, conformations of cycloalkane, stability of conformations of cyclohexane, methyl and t-butyl monosubstituted cyclohexane, 1,1 and 1,2 dimethyl cyclohexane and their stability.	3	Lecture/PPT	Textbook/Ref. Book
	2					
	3					
	4					




Signature of the Teacher




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	Department of Chemistry Teaching Plan Academic Year: 2020-21	
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Class: T.Y.B.Sc. Subject: Physical Chemistry (CH-331)

Name of the Teacher: Mr. Kharde Amol Karbhari


Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3		Admission			
	4		Admission			
July	1	1. Chemical Kinetics	Recapitulation of Chemical Kinetics, Third order reaction, Derivation of integrated rate law for third order reaction with equal initial concentration, characteristics of third order reaction, examples of third order reaction, Methods to determine order of reaction using Integrated rate equation method, Graphical method,	04	Lecture/PPT	Textbook
	2			04	Lecture/PPT	Textbook

	3		Half-life method, Differential method. Effect of temperature on reaction rate, Arrhenius equation, related numerical.	04	Lecture/PPT	Textbook
	4	2. Electrolytic Conductance	Recapitulation of Electrolytic conductance, Specific and equivalent conductance, Variation of equivalent conductance with concentration,	04	Lecture/PPT	Textbook
	1		Kohlrausch's law and its applications to determine a. Equivalent conductance at infinite dilution of a weak electrolyte, b. The ionic product of water, c. Solubility of sparingly soluble salts,	04	Lecture/PPT	Textbook
August	2		Migration of ions and ionic mobilities, absolute velocity of ions, Transport number determination by Hittorf's method and moving boundary method, Relation between ionic mobility,	04	Lecture/PPT	Textbook
	3		ionic conductance and transport number, Ionic theory of conductance, Debye-Huckel –Onsager equation and its validity, Activity in solution, fugacity and activity coefficient of strong electrolyte.	04	Lecture/PPT	Textbook
	4	3. Investigations of Molecular Structure	Molar refraction, Electrical polarization of molecules,	04	Lecture/PPT	Textbook
September	1		Permanent dipole moment, Determination of dipole moment,	04	Lecture/PPT	Textbook
	2		Molecular spectra – Rotational spectra,	04	Lecture/PPT	Textbook
	3		vibrational and Raman spectra	04	Lecture/PPT	Textbook
	4	4. Phase Rule	Definitions, Gibb's phase rule, one component system (moderate pressure only) for sulphur and water system,	04	Lecture/PPT	Textbook
October	1		two component system for silver-lead and zinc-cadmium.	04	Lecture/PPT	Textbook
	2					

Class: T.Y.B.Sc.**Subject: Physical Chemistry (CH-341)**

December	1	1. Electrochemical Cells	Reversible and irreversible cells, EMF and its measurements, Standard cells,	04	Lecture/PPT	Textbook
	2		cell reaction and EMF, Single electrode potential and its calculation, Calculation of cell EMF, Thermodynamics of cell EMF,	04	Lecture/PPT	Textbook
	3		Types of electrodes, Classification of electrochemical cells with and without transference,	04	Lecture/PPT	Textbook
	4		Applications of EMF measurement-i) Solubility product of sparingly soluble salt, ii) Determination of pH, iii) Potentiometric titration	04	Lecture/PPT	Textbook
January	1	2. Nuclear Chemistry	The atom, nucleus and outer sphere, classification of nuclides, nuclear stability and binding energy. Discovery of radioactivity, types of radioactivity, general characteristics of radioactive decay and decay kinetics, Measurements radioactivity,	04	Lecture/PPT	Textbook
	2		gaseous ion collection method, proportional and G.M. counter. Applications of radioactivity- Radiochemical principles in the use of tracers, Typical applications of radioisotopes as a tracer) Chemical investigations- reaction mechanism,	04	Lecture/PPT	Textbook
	3		ii) Structure determination- phosphorus pentachloride and thiosulphate ion iii) Age determination- by Carbon-14 dating and Uranium-Lead/ Thorium-Lead Ratio iv) Medical applications-Assess the volume of blood in patients body, Goiter	04	Lecture/PPT	Textbook
	4	3. Crystal structure	Crystallization and fusion process, Crystallography, Crystal systems, -Properties of crystals,	04	Lecture/PPT	Textbook
February	1		Crystal lattice and unit cell, -Crystal structure analysis by X ray - The Laue method and Braggs method,	04	Lecture/PPT	Textbook

	2		X-ray analysis of NaCl crystal system, Calculation of d and λ for a crystal system.	04	Lecture/PPT	Textbook
	3	4. Quantum Chemistry	Concept of quantization, atomic spectra (no derivation), wave particle duality, uncertainty principle, wave function and its interpretation, well-behaved function, Hamiltonian (energy) operator,	04	Lecture/PPT	Textbook
	4		formulation of Schrodinger equation, particle in box (1D, 2D and 3D box) (no derivations), sketching of wave function and probability densities for 1D box, correspondence principle, degeneracy (lifting of degeneracy),	04	Lecture/PPT	Textbook
March	1		applications to conjugated systems, harmonic oscillator, wave function and probability densities (no derivation), zero point energy and quantum tunneling.	04	Lecture/PPT	Textbook


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Arts, Science and Commerce College, Kolhar



Department of Chemistry
Teaching Plan
Academic Year: 2020-21



Class: T.Y.B.Sc.

Subject: Inorganic Chemistry

Name of the Teacher: Kadu Vinod Raosaheb

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lecture 's allotted by Univer sity	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e- content/Guest Faculty/Any other)
Semester - I						
June	3	Admission				
	4	Admission				
July	1	1 Molecular Orbital Theory	Limitations of Valence Bond theory(VBT), Need of Molecular orbital theory (MOT), Features of MOT, Formation of molecular orbitals(MO's) by LCAO principle, Rules of LCAO combination, Different types of combination of Atomic orbital(AO's) S-S, S-P, P-P and d-d, Non-bonding combination orbitals(formation of NBMO).	4	Lecture/PPT	Textbook/Ref. Book
	2		M O Energy level diagram for homonuclear diatomic molecules, Bond order and existence of molecule from bond order, Energy (β) and magnetic behavior for following molecules or ions H_2 , H_2^+ , He_2^+ , Li_2 , Be_2 , B_2 , C_2 , N_2 , O_2 , O_2^+ , O_2^- , O_2^{2-} , F_2 , Ne_2 , M O. energy level diagram, for heteronuclear diatomic molecule like CO, NO, HCl, HF M O energy level diagram, for heteronuclear triatomic molecule like CO_2 , NO_2	4	Lecture/PPT	Textbook/Ref. Book
	3	2 Coordinati on Chemistry	1. INTRODUCTION TO COORDINATION CHEMISTRY 1. General account and meaning of the terms involved in coordination chemistry	4	Lecture/PPT	Textbook/Ref Book
	4		Coordinate bond, central metal atom or ions, ligand,	4	Lecture/PPT	Textbook/Ref

		double salt, complex compound, coordination, number, charge on the complex ion, oxidation number of Metal ion, first and second coordination sphere. 2 Ligands. Definition, Classification, Chelates and chelating agents. 3. Formation Constant, inert and labile complexes. 4 IUPAC nomenclature of coordination compounds. 5. Different geometries of coordination compounds with C.N. = 4 to C.N.=10 and examples of each geometry.			Book
August	1	II. WERNER'S THEORY OF COORDINATION COMPOUNDS -Assumptions of Werner's coordination theory, Werner's formulation of Coordination, compounds, Physical and complexes, chemical test to support his formulation of ionizable and non-ionizable valencies	4	Lecture/PPT	Textbook/Ref. Book
	2	Stereoisomerism in complexes with C.N.4 and C.N. 6 to identify the correct geometrical arrangement of the complexes III. ISOMERISM IN COORDINATION COMPLEXES- Definition of isomerism in complexes- Structural Isomerism and stereoisomerism,	4	Lecture/PPT	Textbook/Ref. Book
	3	1. Structural isomerism (ionization, hydrate, linkage, ligand, coordination position and polymerization isomers)	4	Lecture/PPT	Textbook/Ref. Book
	4	2. Stereoisomerism and its types-Geometrical isomerism and optical isomerism. IV. SIDGWICK THEORY- Concept of Sidgwick's model, Scheme of arrow indication for M-L bond suggested by Sidgwick, Effective Atomic Number rule (EAN),	4	Lecture/PPT	Textbook/Ref. Book
September	1	Calculations of EAN value for different complexes and stability of complexes, Advantages and Drawbacks of Sidgwick's theory. V. PAULING'S VALENCE BOND THEORY- Introduction of Valence Bond Theory (VBT), Need of concept of hybridization,	4	Lecture/PPT	Textbook/Ref. Book
	2	Aspects of VBT, Assumptions, VB representation of tetrahedral, square planer, trigonalbipyramidal and octahedral complexes with examples, Inner and outer orbital complexes,	4	Lecture/PPT	Textbook/Ref. Book
	3	Electro neutrality principle, Multiple bonding($d\pi-p\pi$ and $d\pi-d\pi$), Limitations of VBT VI. CRYSTAL FIELD THEORY-	4	Lecture/PPT	Textbook/Ref. Book

			Introduction and need of Crystal Field Theory(CFT), Assumptions, Shapes and degeneracy of d orbital, Splitting of d-orbitals.			
	4		Application of CFT to octahedral complexes, pairing energy(P) and distribution of electrons in eg and t2g level, calculation of magnetic moment using spin-only formula, Crystal Field Stabilization Energy (CFSE), calculation of CFSE in weak oh field and strong oh field complexes, Evidence for CFSE, Interpretation of spectra of complexes, calculation of 10 Dq and factors affecting magnitude of 10Dq, d-d transitions and colour of the complexes, Jahn-Teller distortion theorem for octahedral complexes and its illustration, CFT of tetrahedral and square planar complexes,	4	Lecture/PPT	Textbook/Ref Book
October	1		calculations of CFSE, Spectrochemical series, Nephelauxetic effect and Nephelauxetic series, Limitations of CFT, modified CFT (LFT), Problems related to calculation of 10 Dq, CFSE and spin only magnetic moment for octahedral, tetrahedral & square planar complexes. (i.e. for high spin & low spin complexes)	4	Lecture/PPT	Textbook/Ref Book
	2		VII. MOLECULAR ORBITAL THEORY OF COORDINATION COMPLEX- Introduction, Assumptions, MO treatment to octahedral complexes with sigma bonding, Formation of MO's from metal orbitals and Composite Ligand Orbitals (CLO), MO correlation diagram for octahedral complexes with sigma bonding, effect of π bonding, Charge transfer spectra, Comparison of VBT, CFT, and MOT.	4	Lecture/PPT	Textbook/Ref Book
	3					
	4					
December	1	1. Chemistry of f- block elements	Introduction of f-block elements- on the basis of electronic configurations, occurrence and reactivity, F-block elements as Lanthanide and Actinide series I Lanthanides- Position in periodic table, Name and electronic configuration of lanthanides, Oxidation States, Occurrence and separation (Group/ Individual) by modern methods (ion exchange and solvent extraction method), Lanthanide contraction & its effect on chemistry of Lanthanides and postlanthanide	4	Lecture/PPT	Textbook/Ref Book

			elements, applications of lanthanides			
	2		II. Actinides- Position in periodic table. Name and electronic Configuration of actinides, Oxidation States, Occurrence, and general methods of preparation of transuranic elements [viz., a) Neutron Bombardment, b) Accelerated projectile bombardment and c) Heavy ion bombardment], Nuclear Fuels-Nuclear Fusion fuels & nuclear fission fuels, IUPAC nomenclature system for super heavy elements with atomic no. (z) greater than 100, Comparison between Lanthanides and Actinides	4	Lecture/PPT	Textbook/Ref. Book
	3	2. Metals, semiconductors and Superconductors	Introduction, Metallic bonding, Band theory in metals with respect to Na along with n (E) and N(E) diagrams, Electrical conductivity of metals (Na, Mg, Al), Valence electrons and conductivity of metals,	4	Lecture/PPT	Textbook/Ref. Book
	4		Effect of temperature and impurity on electrical conductivity of metals, Semiconductors – types of Semiconductors: I. Intrinsic II. Extrinsic, effect of temperature and impurity on semiconductivity, N & P type semiconductors ZnO and NiO, Super conductivity- Discovery, Property, Models structure and superconductivity, Applications of superconductors,	4	Lecture/PPT	Textbook/Ref. Book
January	1	3. Ionic Solids	Crystalline and amorphous solids, crystal structures simple cubic, body centered cubic and face centered cubic, Properties of ionic solids, packing arrangements of anions in an ionic solids, Voids in crystal structure- tetrahedral and octahedral, Ionic radius,	4	Lecture/PPT	Textbook/Ref. Book
	2		Palings univalent and crystal radii, Conversion of univalent radii to crystal radii, problems based on conversion of radii, Radius ratio effect, Lattice energy, Born-Landé equation, Born Haber cycle and its applications, Schottky and Frenkel defect	4	Lecture/PPT	Textbook/Ref. Book
	3	4. Homogeneous Catalysis	4. Homogeneous Catalysis Definition, types of homogeneous catalysts, Essential properties of homogeneous catalysts,	4	Lecture/PPT	Textbook/Ref. Book
	4		Catalytic Reactions such as: a. Wilkinson's Catalysis b. Zeigler Natta Catalysis c. Monsanto acetic acid synthesis	4	Lecture/PPT	Textbook/Ref. Book

February	1	5. Heterogeneous Catalysis	Definition, types of heterogeneous catalysts-metals, semiconductors, solid acid catalysts and supported catalysts, Essential properties of heterogeneous catalysts, Catalytic Reactions such as: a. Oxidation- i. Synthesis of terephthalic acid from xylene using ZSM-5 ii. Synthesis of benzoic acid from toluene using KMnO_4	4	Lecture/PPT	Textbook/Ref. Book
	2		b. Reduction- i. Hydrogenation of alkene to alkane using Raney Ni catalyst. ii. Synthesis of p-aminophenol from nitrobenzene using Pd/C catalyst.	4	Lecture/PPT	Textbook/Ref. Book
	3		c. Cyclization- Benzimidazole synthesis using o-phenenediamine and benzaldehyde by acidic support or clay-solid support, amberlist or NH_4Cl . d. Biodiesel Synthesis- using heteropolyacid catalyst- Transesterification using phosphomolybdic or phosphotungstic acid.	4	Lecture/PPT	Textbook/Ref. Book
	4		I. Introduction, Role of metals in bioinorganic chemistry. a. Classification as enzymatic and non-enzymatic metals, Enzymatic redox metals such as Cu (SOD) and enzymatic non redox metals such as Zn (Hydrolase). b. Role of metal ions in non-enzymatic process- Na, K, Ca, Mg (one example of each and brief discussion). c. Role of metals in enzymatic processes-Transition metals- Catalase, peroxidase and nitrogenase (Redox active).	4	Lecture/PPT	Textbook/Ref. Book
March	1	6. Bioinorganic Chemistry	II. Metalloproteins-Iron proteins-Introduction of Fe-S proteins, Electron transfer proteins (Fe-S, Fe_2S_2 , Fe_3S_4 , Fe_4S_4). Transport protein (transferrin) and Storage protein (ferritin) III. Bioinorganic Chemistry of Fe: Hemoglobin and myoglobin, its structure and functions. IV. Bioinorganic Chemistry of Co: Vitamin B12, its structure and function.	4	Lecture/PPT	Textbook/Ref. Book




Signature of the Teacher


Head
Department of Chemistry
Arts, Science and Commerce College, Kolhar




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Arts, Science and Commerce College, Kolhar

	Department of Chemistry Teaching Plan Academic Year: 2020-21	
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Class: T.Y.BSc Subject: Organic Chemistry (CH-333)

Name of the Teacher: Mrs. Gaikwad R.J

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission				
	4					
July	1	1. Strength of organic acids and bases	Introduction, <i>pka</i> , origin of acidity, influence of solvent, simple aliphatic saturated and unsaturated acids, substituted aliphatic acid, phenols, aromatic carboxylic acids, <i>pka</i> and temperature, <i>pkb</i> , aliphatic and aromatic bases, heterocyclic bases, acid base catalysis.	03	Lecture/PPT	Textbook/Book
	2	2. Stereochemistry of disubstituted cyclohexane	Introduction, 1,1-alkyl disubstituted cyclohexane; Dimethyl cyclohexane 1,2; 1,3 and 1,4.	6L	Lecture/PPT	Textbook/Book

August	3		Geometrical isomerism, Optical isomerism, stability of conformation, energy calculations.		Lecture/PPT	Textbook/Book
	4	3. Nucleophilic substitution at aliphatic Carbon	Introduction, Nucleophile and leaving groups, Mechanism of nucleophilic substitution. The S_N1 reaction: Kinetics, mechanism and stereochemistry (Racemization), stability of carbocation.	8 L	Lecture/PPT	Textbook/Book
	1		The S_N2 reaction: Kinetics, mechanism & stereochemistry (inversion). How to know whether a given reaction will follow S_N1 or S_N2 mechanism. Comparison of S_N1 & S_N2 reactions. S_Ni reaction and mechanism.		Lecture/PPT	Textbook/Book
	2	4. Reactions of unsaturated hydrocarbons and carbon oxygen double bond	Introduction, Mechanism of electrophilic addition to $C=C$ bond. Orientation & reactivity, Rearrangements, (Support for formation of carbocation). Addition of hydrohalogen, Anti Markownikoff's addition (peroxide effect) with mechanism, Addition of halogens (dl pairs and meso isomers), hypohalous acids (HOX),	16 L	Lecture/PPT	Textbook/Book
	3		Hydroxylation (Mechanism of cis and trans 1,2-diols). Hydroboration- Oxidation (Formation of alcohol), Hydrogenation (Formation of alkane), Ozonolysis (formation of aldehydes & ketones)		Lecture/PPT	Textbook/Book
	4		Lecture/PPT		Lecture/PPT	Textbook/Book
			c) Reactions of Carbon -Oxygen double bond:		Lecture/PPT	Textbook/Book
September	1					

			Introduction, Structure of carbonyl group, reactivity of carbonyl group, addition of Hydrogen cyanide, alcohols, thiols, water, ammonia derivatives, Cannizzaro and Reformaski reactions with mechanism.			
	2	5. Elimination Reactions	Introduction; 1,1; 1,2 elimination, E1, E2 and E1cB mechanism with evidences,	6 L	Lecture/PPT	Textbook/Book
	3		Hoffmann and Saytzeff's elimination, reactivity effect of structure, attacking and leaving groups.		Lecture/PPT	Textbook/Book
	4	6. Aromatic Electrophilic and Nucleophilic substitution reactions	Introduction, arenium ion mechanism, Effect of substituent group (Orientation, o/p directing and meta directing groups). Classification of substituent groups (activating and deactivating groups)	10 L	Lecture/PPT	Textbook/Book
October	1		Mechanism of – Nitration, Sulfonation, Halogenation, Fridel-Crafts reactions, Diazo Coupling reactions, Ipso-substitution		Lecture/PPT	Textbook/Book
	2		Addition-elimination (S_NAr), S_N1 , Elimination-addition (Benzyne) S_NR1 reactions, reactivity.		Lecture/PPT	Textbook/Book
	3					
	4					
December	1	1. Carbanions and their reactions	Introduction, Formation and stability of Carbanion. Reactions involving carbanions and their mechanisms: Aldol,	06 L	Lecture/PPT	Textbook/Book
	2		Claisen, Dieckmann and Perkin condensations. Synthesis and Synthetic applications of Malonic ester, Acetoacetic ester and Wittig reagent.		Lecture/PPT	Textbook/Book
	3	2.	Introduction, Different terms used –	5 L	Lecture/PPT	Textbook/Book

January	4	Retrosynthetic analysis and applications	Disconnection, Synthons, Synthetic equivalence, FGI, TM. One group disconnection,		Lecture/PPT	Textbook/Book
			Retrosynthesis and Synthesis of target molecules: Acetophenone, Crotonaldehyde, Cyclohexene, Benzylbenzoate, and Benzyl diethyl malonate.			
	1	3. Rearrangement reactions	Introduction, Mechanism of rearrangement reaction involving carbocation, nitrene and oxonium ion intermediate	6 L	Lecture/PPT	Textbook/Book
	2		Beckmann, Bayer-Villiger, Pinacol-pincolone, Curtis, Favorski, Claisen rearrangement		Lecture/PPT	Textbook/Book
	3	4. Spectroscopic methods in structure determination of Organic compounds	Introduction, meaning of spectroscopy, nature of electromagnetic radiation, wave length, frequency, energy, amplitude, wave number, and their relationship, different units of measurement of wavelength frequency, different regions of electromagnetic radiations. Interaction of radiation with matter. Excitation of molecules with different energy levels, such as rotational, vibrational and electronic level. Types of spectroscopy and advantages of spectroscopic methods	24 L	Lecture/PPT	Textbook/Book
	4		A) Ultra Violet Spectroscopy Introduction, nature of UV, Beer's law, absorption of UV radiation by organic molecule leading to different excitation. Terms used in UV Spectroscopy- Chromophore, Auxochrome, Bathochromic shift (Red shift), hypsochromic shift (Blue shift), hyperchromic and hypochromic		Lecture/PPT	Textbook/Book

February	

effect. Effect of conjugation on position of UV band. Calculation of λ_{max} by Woodward and Fisher rules for dienes and enone systems, Colour and visible spectrum, Applications of UV Spectroscopy- Determination of structure, Determination of stereo chemistry (Cis and trans)
B) Infra red Spectroscopy Introduction, Principle of IR Spectroscopy, Fundamental modes of vibrations (3N-6, 3N-5) Types of vibrations (Stretching and bending), Hooke's law, Condition for absorption of IR radiations, vibration of diatomic molecules. Regions of IR Spectrum: fundamental group region, finger print region aromatic region, Characteristic of IR absorption of functional groups: Alkanes, alkenes, alkynes, alcohol, ethers, alkyl-halides, carbonyl compounds (-CHO, C=O, -COOR-COOH), amines, amides and Aromatic Compounds and their substitution Patterns. Factors affecting on IR absorption: Inductive effect, resonance effect, hydrogen bonding. Application of IR Spectroscopy in determination of structure, chemical reaction and hydrogen bonding.
C) PMR Spectroscopy Introduction, Principles of PMR Spectroscopy, Magnetic and nonmagnetic nuclei, Precessional motion of nuclei without mathematical details, Nuclear resonance, chemical shift

Lecture/PPT	Textbook/Book
Lecture/PPT	Textbook/Book
Lecture/PPT	Textbook/Book
Lecture/PPT	Textbook/Book

			shielding, & deshielding effect. Measurement of chemical shift, delta and Tau-scales. TMS as reference and its advantages, peak area, integration, spin-spin coupling, coupling constants, J-value (Only first order coupling be discussed)			
March	1	5) Natural Products	Terpenoids: Introduction, Isolation, Classification. Citral- structure determination using chemical and spectral methods, Synthesis of Citral by Barbier and Bouveault Synthesis. Alkaloids: Introduction, extraction, Purification, Some examples of alkaloids and their natural resources. Ephedrine- structure determination using chemical methods. Synthesis of Ephedrine by Nagi	07 L	Lecture/PPT	Textbook/Book
					Lecture/PPT	Textbook/Book
	3					
	4					

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Head

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Arts, Science and Commerce College, Kolhar



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Department of Chemistry
Teaching Plan
Academic Year: 2020-21



Class: T.Y.BSc

Sub: Analytical Chemistry

Name of the Teacher: Miss. Raut.K.K

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission				
	4					
July	1	1.Gravimetric Analysis	Common ion effect and solubility product principles, Conditions for good precipitation, Factors affecting precipitation like acid, temperature, nature of solvent, Super saturation and precipitation formation, Precipitation from homogeneous solution and example	12L	Lecture/PPT	Textbook/Ref. Book/
	2		Co-precipitation, postprecipitation and remedies for their minimization, Washing of precipitate and ignition of precipitate		Lecture/PPT	Textbook/Ref. Book/
	3		Brief idea about method of filtration and drying of precipitate,		Lecture/PPT	Textbook/Ref. Book/
	4		introduction to electrogravimetry: principle, applications, electrolytic separations of Cu and		Lecture/PPT	Textbook/Ref. Book/

August			Ni, numerical problems only on gravimetric analysis			
	1	2. Thermal methods of analysis	Principle of thermal analysis, classification of thermal techniques	06L	Lecture/PPT	Textbook/Ref. Book/
	2		Principle, instrumentation and applications of TGA and DTA, factors affecting the thermal analysis, numerical problem.		Lecture/PPT	Textbook/Ref. Book
	3	3. Spectrophotometry	Introduction, Electromagnetic spectrum, Interaction of electromagnetic radiations with the matter, Mathematical Statement and derivation of Lambert's Law and Beer's Law	10L	Lecture/PPT	Textbook/Ref. Book
September	4		Terminology involved in spectrophotometric analysis, Instrumentation of single beam colorimeter, Instrumentation		Lecture/PPT	Textbook/Ref. Book
	1		Principle of additivity of absorbance and simultaneous determination, Spectrophotometric Titrations,		Lecture/PPT	Textbook/Ref. Book
	2		Experimental Applications-Structure of organic compounds, Structure of complexes, Numerical Problems		Lecture/PPT	Textbook/Ref. Book
	3	4. Polarography	Introduction to voltammetric methods of analysis, Principles of polarographic analysis, Dropping Mercury Electrode, Instrument and working of polarographic apparatus, Ilkovic equation and quantitative analysis	8L	Lecture/PPT	Textbook/Ref. Book
	4		Polarogram and chemical analysis, Analysis of mixture of cations, Factors affecting polarographic wave, Quantitative Applications, Numerical Problems		Lecture/PPT	Textbook/Ref. Book
October	1	5. Atomic Absorption Spectroscopy	Introduction and theory of atomic absorption spectroscopy, Instrumentation of single beam atomic absorption Spectrophotometer	6L	Lecture/PPT	Textbook/Ref. Book
	2		Measurement of absorbance of atomic species by AAS, Spectral and Chemical Interferences,		Lecture/PPT	Textbook/Ref. Book

			Qualitative and Quantitative Applications of AAS. Numerical Problem			
	3	6. Flame Emission Spectroscopy	Introduction and theory of atomic emission spectroscopy, Instrumentation of single beam flame emission spectrophotometer, Measurement of emission of atomic species, Interferences in emission spectroscopy,	6L	Lecture/PPT	Textbook/Ref. Book
	4		Methods of analysis- calibration curve method, Standard addition method, and internal, standard method, Qualitative and Quantitative Applications of FES, Numerical Problems.		Lecture/PPT	Textbook/Ref. Book
December	1					
	2					
	3	1. Solvent Extraction	Introduction, Principle of solvent extraction, Distribution coefficient, distribution ratio, relation between Distribution coefficient and distribution ratio, factors affecting solvent extraction	8L	Lecture/PPT	Textbook/Ref. Book
	4		percentage extracted, solvent extraction method, separation factor, batch extraction, counter current extraction, application of solvent extraction, numerical problems.		Lecture/PPT	Textbook/Ref. Book
January	1	2. Chromatography	Introduction and classification of chromatographic methods, Principle of chromatographic analysis with match box model	10L	Lecture/PPT	Textbook/Ref. Book
	2		Theoretical plates and column efficiency, Theory, Principle, technique and applications of-Column Chromatography		Lecture/PPT	Textbook/Ref. Book
	3		Ion exchange Chromatography, Thin layer Chromatography, Paper Chromatography, Numerical Problems		Lecture/PPT	Textbook/Ref. Book
	4	3. Gas Chromatography	Introduction, Theory, Principle, GSC and GLC, Separation mechanism involved in GSC and GLC,	9L	Lecture/PPT	Textbook/Ref. Book

February	1		Instrumentation of Gas chromatography,		Lecture/PPT	Textbook/Ref. Book
	2		Working of gas chromatography, Gas chromatogram and qualitative-quantitative analysis, Applications of gas chromatography		Lecture/PPT	Textbook/Ref. Book
	3	4. High Performance Liquid Chromatography	Introduction, Need of liquid chromatography, Separation mechanism involved in adsorption and partition HPLC.	9L	Lecture/PPT	Textbook/Ref. Book
	4		Instrumentation and working of HPLC, Applications of HPLC		Lecture/PPT	Textbook/Ref. Book
March	1		Introduction to supercritical fluid chromatography		Lecture/PPT	Textbook/Ref. Book
	2	5. Electrophoresis	Introduction, Principle and theory of electrophoresis, Different types of electrophoresis techniques, Moving Boundary Electrophoresis	6L	Lecture/PPT	Textbook/Ref. Book
	3		Zone electrophoresis- Paper, Cellulose acetate and Gel electrophoresis, Applications of electrophoresis		Lecture/PPT	Textbook/Ref. Book
	4	6. Nephelometry and Turbidimetry	Introduction, Principles and instrumentation of Nephelometric and Turbidimetric analysis, Difference between Nephelometric and Turbidimetric measurements,	6L	Lecture/PPT	Textbook/Ref. Book
April	1		Choice between Nephelometry and Turbidimetry, Factors affecting Nephelometric and Turbidimetric measurements, Quantitative Applications, Numerical Problems		Lecture/PPT	Textbook/Ref. Book
	2					



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	Department of Chemistry Teaching Plan Academic Year: 2020-21	
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Class: T.Y.BSc Sub. Industrial Chemistry

Name of the Teacher: Miss.Mhaske.A.K

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission				
	4					
July	1	1. Modern Approach to Chemical Industry	ntroduction, basic requirements of chemical industries, chemical production, raw materials, unit process and unit operations, Quality control, quality assurance, process control, research and development, pollution control	8L	Lecture/PPT	Textbook/Ref. Book
	2		human resource, safety measures, classification of chemical reactions, batch and continuous process, Conversion, selectivity and yield, copy right act, patent act, trade marks		Lecture/PPT	Textbook/Ref. Book
	3	2.	General introduction and scope of	8L	Lecture/PPT	Textbook/Ref.

		Agrochemicals	agrochemicals, meaning and examples of: Insecticides, Herbicides, Fungicides, Rodenticides, Pesticides, Plant growth regulators. Pesticide formulation, slow release pesticide formulations, storage stability test, and Industrial entomology.			Book
	4		Advantages and disadvantages of agrochemicals. Structure: DDT, BHC, Warfarin, Aldrin, Endosulphan, synthesis and application: DDT, BHC and Endosulphan. Biopesticides like Neem oil and Karanj oil.		Lecture/PPT	Textbook/Ref. Book
August	1	3. Manufacture of Basic Chemicals	a) Ammonia: Physicochemical principles involved, Manufacture of ammonia by modified Haber-Bosch process, its uses.	8L	Lecture/PPT	Textbook/Ref. Book
	2		b) Sulphuric acid: Physicochemical principles involved, Manufacture of sulphuric acid by contact process, its uses. c) Nitric acid: Physicochemical principles involved, Manufacture of nitric acid by Ostwald's process, its uses.		Lecture/PPT	Textbook/Ref. Book
	3	4. Petrochemicals and eco-friendly fuels	a) Introduction, occurrence, composition of petroleum, resources, processing of petroleum, calorific value of fuel, cracking, octane rating (octane number), cetane number, flash point, and petroleum refineries, applications of petrochemicals, synthetic petroleum, lubricating oils & additives		Lecture/PPT	Textbook/Ref. Book

	4		b) Fuels and eco-friendly fuels: liquid, gaseous fuel (LPG, CNG), fossil fuels, diesel, bio diesel, gasoline, aviation fuels. Use of solar energy for power genera		Lecture/PPT	Textbook/Ref. Book
September	1	5. Food and Starch Industry	Food Industry: (a) Definition and scope, nutritive aspects of food constituents, , food deterioration factors and their control; (b) Preservation and processing: Heat and cold preservation and processing, cold storage, food dehydration and concentration, various foods, their processing and preservation methods, fruits, beverages, cereals, grains, legumes and oil seeds; (c) Food additives: Enhancers, sugar substitutes, sweeteners, food colors,	8L	Lecture/PPT	Textbook/Ref. Book
	2		Starch industries: Chemistry of starch, manufacturing of industrial starch and its applications, characteristics of some food starches, non-starch polysaccharides-cellulose-occurrence.		Lecture/PPT	Textbook/Ref. Book
	3	6. Cement and Glass industry	Cement industry: Introduction, Importance, composition of portland cement, raw materials, proportioning of raw materials, setting and Hardening of cement, reinforced concrete.	8L	Lecture/PPT	Textbook/Ref. Book
	4		Glass industry Introduction, importance, physical and chemical properties of glass, chemical reaction, annealing of glass Special glasses: colored,		Lecture/PPT	Textbook/Ref. Book

			important : Power alcohol			
	4	3. Soap, detergents and Cosmetics	A. Chemistry of soap, raw material, chemical reaction, types of soap. B. Meaning of the terms detergent and surfactants, emulsion and emulsifying agents, wetting and non-wetting, hydrophobic and hydrophilic nature, amphipathic structures, types of surfactants, raw materials for detergents, washing action of soaps and detergents, detergent builders, additives.	8L	Lecture/PPT	Textbook/Ref. Book
February	1		C. Raw materials: emulsifiers (natural, synthetic and finely dispersed solids), lipid components (oils, waxes, fats), humectants, colours (dyes and pigments), preservatives and antioxidants. (b) Cosmetics for skin: Types and problems of skin, key ingredients of skin cleansing, toners, moisturizers, nourishing, protective sunscreen, talcum powder and bleaching products. (c) Hair care: classification, ingredients, special additives for conditioning and scalp health, hair colourants (temporary, semi-permanent and gradual colourants), the plant materials (herbs) used in hair cosmetics.		Lecture/PPT	Textbook/Ref. Book
	2	4. Dyes and paints	(a) Dyes: Introduction, classification of dyes: Structures and applications, nitro, nitroso, azo, heterocyclic, phthalenes, xanthenes, rhodamines, thiazine, cyanine,	8L	Lecture/PPT	Textbook/Ref. Book

			anthraquinone, indigoids, thioindigoids, phthalocyanines, wet dyes.			
	3		(b) Paints: Introduction of paints, ingredients and classification, new technologies; properties of coatings; solvents, plasticizers, dyes and bioactive additives; (c) Pigments: Introduction, classification and general physical properties.		Lecture/PPT	Textbook/Ref. Book
	4	5. Chemistry of pharmaceutical industries	a. General aspects of drug action: Introduction, classification, nomenclature, structure-activity relationship, action of drugs, factors affecting drug action, metabolism of drugs, chemical structures, methods of production and pharmacological activity.	8L	Lecture/PPT	Textbook/Ref. Book
March	1		b. Meaning of the terms: Prescriptions, doses, analgesic, antipyretic, diuretic, anesthetics, antibiotics, anti-inflammatory, anti-viral, tranquilizer, antiulcer, antialergic and bronchodilators, cardiovascular, cold preparations, anti-hypertensive, cough preparation, anti-neoplastic, sedative and hypnotics, steroidal, contraceptive, histamine and antihistamine. c. Synthesis and uses: Paracetamol, Aspirin, Sulphanilamide.		Lecture/PPT	Textbook/Ref. Book
	2	6. Pollution prevention and waste management	Introduction, importance of waste management, concept of atom economy, Terms involved in waste minimization: source reduction, recycling, product changes, source control, use and reuse,	8L	Lecture/PPT	Textbook/Ref. Book

		reclamation, assessment procedures, types of wastes, treatment and disposal of industrial waste.			
		Treatment of wastes or effluents with organic impurities			
3		Treatment of wastes or effluents with inorganic impurities. The nature, effect and treatment of some important chemical wastes-(Pulp and paper industries, soap and detergent industries and food processing industries).		Lecture/PPT	Textbook/Ref. Book
4					

Signature of the Teacher





Signature of Head of the Department

Head
Department of Chemistry
Arts, Science and Commerce College, Kolhar

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	Department of Chemistry Teaching Plan Academic Year: 2020-21	
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Class: F.Y.BSc

Environment and green Chemistry

**Name of the Teacher: Miss. Raut.K.K/
Miss.Mhaske .A.K.**

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission				
	4					
July	1	1: Concepts and scope of Environmental Chemistry	1.1 Introduction 1.2 Terminologies 1.3 Units of concentration 1.4 Segments of Environment	2L	Lecture/PPT	Textbook/Ref. Book
	2	2: Atmosphere and Air Pollution	2.1 Composition and structure of atmosphere 2.2 Chemical and photochemical reactions in atmosphere 2.3 Chemistry of O ₃ , SO _x , NO _x and chlorides in atmosphere	14L	Lecture/PPT	Textbook/Ref. Book
	3		2.4 Primary air pollutants 2.5 Sampling of air		Lecture/PPT	Textbook/Ref. Book
	4		2.6 Particulate matter: inorganic and organic 2.7 Smog: reducing and photochemical		Lecture/PPT	Textbook/Ref.

			2.8 Mechanism of ozone depletion 2.9 Stability and reactions of CFCs			Book
August	1		2.10 Harmful effects of CFCs 2.11 CFCs substitutes 2.12 Bhopal gas tragedy		Lecture/PPT	Textbook/Ref. Book
	2	3: Hydrosphere and water pollution	3.1 Water resources 3.2 Physical chemistry of sea water: composition, equilibria, pH, pE 3.3 Microbially mediated aquatic reactions, nitrogen cycle, iron and manganese bacteria 3.4 Classification of water pollutants	8L	Lecture/PPT	Textbook/Ref. Book
	3		3.5 Organic and Inorganic pollutants: Pesticides, Detergents, Eutrophication, Marine, Oil, Acid mine drainage, remedial measures and sediments 3.6 Thermal pollution 3.7 Sampling and monitoring water quality parameters: pH, D.O. (Winkler Method), COD, TOC, Total hardness, free chlorine.		Lecture/PPT	Textbook/Ref. Book
	4	Chapter 4. Introduction to Green Chemistry	4.1 Chemistry is good 4.2 The environment and the five environmental spheres 4.3 What is environmental Chemistry?		Lecture/PPT	Textbook/Ref. Book
September	1		4.4 Environmental Pollution 4.5 What is green Chemistry? 4.6 Green Chemistry and synthetic chemistry 4.7 Reduction of risk: Hazard and exposure	10L	Lecture/PPT	Textbook/Ref. Book
	2		4.8 The risk and no risks 4.9 Waste prevention 4.10 Basic principles of green chemistry 4.11 Examples based on green technology		Lecture/PPT	Textbook/Ref. Book
	3	5. Green Chemistry and	5.1 Green Chemistry from theory to practice 5.2 The twelve principles of green chemistry	10L	Lecture/PPT	Textbook/Ref. Book

October	4	Technology for sustainable development	5.3 Green Chemistry and sustainable Development	4L	Lecture/PPT	Textbook/Ref. Book
			5.4 Designing Products under the holistic approach " Cardle-to Cardle"			
			5.5 Scientific areas for practical applications of green chemistry			
	1		5.6 Use of alternative basic chemicals as feedstoes in chemical industry and research		Lecture/PPT	Textbook/Ref. Book
			5.7 Green Chemistry and Reduction of solvent Toxicity (Alternative Solvents or replacement)			
	2	6. Green Chemistry and Hazardous Organic Solvents (Green solvents, replacement and Alternative techniques)	5.8 Applications of New Methodologies in the synthesis of chemical compounds-catalysis and green chemistry.		Lecture/PPT	Textbook/Ref. Book
	3		6.1 Introduction to Green Chemistry and Toxic organic solvents			
December	4		6.2 Green solvents and Alternative methods			
	1		6.3 Green Chemistry, Green solvents – Alternative techniques in organic synthesis			
	2					
	3	Chapter 1: Water treatment and effluent management	1.1 Domestic sewage, waste water treatment: primary, secondary and tertiary treatments, aerobic, anaerobic and upflow anaerobic sludge bed treatment processes	8L	Lecture/PPT	Textbook/Ref. Book

	4		1.2 Industrial waste water treatment i) filtration method ii) ion-exchange method iii) membrane techniques: ultrafiltration, reverse osmosis and electrodialysis 1.3 Treatment of drinking water		Lecture/PPT	Textbook/Ref. Book
January	1	Chapter 2: Soil and solid waste management	2.1 Composition of soil and types of soil. 2.2 Organic and inorganic components of soil 2.3 Acid base and ion exchange reactions in soil and pH of soil 2.4 Chemistry of disposal of solid waste i) sanitary landfills ii) incinerators iii) pyrolysis	4L	Lecture/PPT	Textbook/Ref. Book
	2	Chapter 3: Instrumental methods in environmental analysis	3.1 Atomic absorption spectroscopy: determination of Hg, As, Zn, Ag, Pb, Mn, Fe, Cu, Cr, Cd 3.2 Gas chromatography: detection and determination of CO, HC and pesticides 3.3 HPLC: determination of pesticides, PAH as metabolites	8L	Lecture/PPT	Textbook/Ref. Book
	3		3.4 Spectrophotometry: determination of NO _x , SO ₂ , NH ₃ , CN, PO ₄ , Cd, Pb, Hg 3.5 Chemiluminescence: determination of NO _x and O ₃ .68 3.6 Non Dispersive IR spectrometry of determination of CO 3.7 Ion selective electrodes: determination of NO ₃ and dissolved oxygen (D. O.)		Lecture/PPT	Textbook/Ref. Book
	4	Chapter 4: Green House Effect and Global Warming	4.1 Introduction 4.2 Greenhouse gases 4.3 Radiative forcing 4.4 Sources and sinks of CO ₂ 4.5 Causes of fluctuations in global temperature 4.6 Global warming and climate changes	4L	Lecture/PPT	Textbook/Ref. Book

			4.7 Implications of climate changes			
February	1	Chapter 5. Water the ultimate Green solvent	5.1 H ₂ O : Simple formula and complex molecule 5.2 Important properties of water 5.3 The hydrologic cycle 5.4 Bodies of water and life in water	8L	Lecture/PPT	Textbook/Ref. Book
	2		5.5 Chemical process in water 5.6 Fizzy water from underground 5.7 Oxygen in water 5.8 Weak acid from sky		Lecture/PPT	Textbook/Ref. Book
	3		5.9 Why natural water contains alkalinity and calcium 5.10 Metals in water 5.11 Water interactions with other phases		Lecture/PPT	Textbook/Ref. Book
	4	Chapter 6 Energy Relations	6.1 Energy 6.2 Radiant Energy from the sun 6.3 Storage and release of energy by chemicals	12L	Lecture/PPT	Textbook/Ref. Book
March	1		6.4 Energy sources 6.5 Conversions between forms of energy		Lecture/PPT	Textbook/Ref. Book
	2		6.6 Green engineering and energy conversion efficiency 6.7 Conversion of chemical energy 6.8 Renewable energy sources		Lecture/PPT	Textbook/Ref. Book

Ranale
Signature of the Teacher

JSR
Head
Department of Chemistry
Arts, Science and Commerce College, Kolhar



Z. M. G.
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**Department of Chemistry
Teaching Plan
Academic Year: 2020-21**



Class: M.Sc.-I **Subject: CHP-110 Fundamentals of physical Chemistry**

Name of the Teacher: Waditke Sachin Kailas

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3					
	4					
July	1					
	2					
	3					
	4	Thermodynamics	State function, path function, exact differential and inexact differential, internal energy and enthalpy, temperature dependent internal energy and enthalpy, reversible and irreversible adiabatic expansion.	02	Lecture	Ref. Book
August	1	Thermodynamics	The entropy of irreversible changes, the Helmholtz and Gibbs function,	02	Lecture	Ref. Book

			Entropy and entropy change in an ideal gas with temperature and pressure, Clausius inequality, chemical potential, chemical potential of a substance in a mixture.			
	2	Thermodynamics	chemical potential of a substance in a mixture.		01	Lecture Ref. Book
	3	Change of State	Partial molar quantities, ideal solutions, Raoult's and Henry's law,		02	Lecture Ref. Book
	4	Change of State	Thermodynamics of Gibbs function of mixing, colligative properties: Elevation in boiling point, depression in freezing point and osmosis		02	Lecture Ref. Book
September	1	Quantum Chemistry	Applications of quantum chemistry- blackbody radiation, photoelectric effect, particle in three dimensional box,		02	
	2		de Broglie hypothesis and uncertainty principle and its experimental evidence.		02	
	3		Schrödinger wave equation, particle in one dimensional box, Normalization and orthogonality of wave function,		03	
	4		Operators: algebra of operators, commutative property, linear operators, commutator operator, the operator ∇ and ∇^2		02	
October	1	Chemical Bonding	Valence bond theory, hybrid orbitals, geometry and hybridization, applications to simple π -systems.		02	
	2		molecular orbital theory for di and tri atomic molecule		02	
	3		linear variation method, approximations underlying Huckel theory,		02	
	4					
December	1	1				
	2	2	Microwave Spectroscopy	Types of molecule on the basis of moment of inertia	02	Lecture/ PPT
	3	3		rotational spectra of di- and polyatomic molecules	02	Lecture/ PPT

	4	4	Infra-red Spectroscopy	The vibrating diatomic molecule, harmonic and Anharmonic oscillator,	02	Lecture/ PPT
January	1	1		The diatomic vibrating rotator, breakdown of the Born-Oppenheimer approximation, The vibrations of polyatomic molecule,	02	Lecture/ PPT
	2	2		Fourier transform spectroscopy and its advantages, The carbon dioxide laser, Applications.	02	Lecture/ PPT
	3	3	Raman Spectroscopy	Quantum and classical theory of Raman effect, pure rotational Raman spectra,	02	Lecture/ PPT
	4	4		Raman spectra, polarization of light and Raman effect, structure determination from Raman and Infra-red spectroscopy, applications.	02	Lecture/ PPT
February	1	1	Electronic Spectroscopy of molecules	Electronic spectra of diatomic molecules - The Born- Oppenheimer approximation, Vibrational coarse structure,	02	Lecture/ PPT
	2	2		Frank- Condon principle, dissociation energy and dissociation product, Rotational fine structure of electronic-vibration transition,	02	Lecture/ PPT
	3	3		The forttrat diagram, Pre-dissociation, molecular photoelectron spectroscopy	02	Lecture/ PPT
	4	4		Rotational fine structure of electronic-vibration transition,	02	Lecture/ PPT
March	1	1	Mossbauer Spectroscopy	Principle, Instrumentation and Applications of Mossbauer Spectroscopy.	02	Lecture/ PPT
	2					
	3					
	4					



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	Department of Chemistry Teaching Plan Academic Year: 2020-21	
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Class: M.Sc-I

Subject: CHP-110 Fundamentals of Physical Chemistry
SECTION – II Chemical Kinetics and Reaction Dynamics


Name of the Teacher: Ghogare R.D.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3					
	4					
July	1					
	2					
	3					
	4	1. Rate Laws	Recapitulations of basic concept, the temperature dependent reaction rates	2L	Lecture PPT	Reference Book
August	1		reaction moving towards equilibrium, consecutive reaction	2L	Lecture PPT	
	2		parallel reactions, pre-equilibria, unimolecular reactions.	2L	Lecture PPT	
	3	2. Kinetics of	Fast reactions: flash photolysis,	2L	Lecture PPT	Reference Book

		Complex Reactions	low technique, stopped flow technique, relaxation method, the steady state approximation chain reactions - free radical polymerization reaction between H_2 and Br_2 , explosive reaction.			
	4	3. Molecular Reaction Dynamics	Collision theory of bimolecular gas phase reactions	2L	Lecture PPT	Reference Book
September	1		diffusion controlled and activation controlled reaction in solution	2L	Lecture PPT	
	2		activated complex theory of reaction rate, Eyrings equation.	2L	Lecture PPT	
	3	4. Enzyme Catalysis	Michaelis mechanism, effect of pH and temperature on enzyme catalyzed reactions, limiting rate	2L	Lecture PPT	Reference Book
	4		Lineweaverburk and Eadie equation and plots, inhibition of enzyme action, competitive inhibition and non- competitive inhibition.	2L	Lecture PPT	
October	1	5. Molecular Thermodynamics	Molecular energy levels, Boltzmann distribution law, partition functions and ensembles, translational	2L	Lecture PPT	Reference Book
	2		rotational and vibrational partition function of diatomic molecule, obtaining energy, heat capacity	2L	Lecture PPT	
	3		entropy and equilibrium constants from partition functions, Maxwell- Boltzmann, Fermi-Dirac and Bose-Einstein statistics.	2L	Lecture PPT	
	4					
November	1					
	2					
	3					
	4					

Class: M.Sc-II		Subject: CHP-210 Molecular Spectroscopy and Nuclear Chemistry SECTION – II Nuclear and Radiation Chemistry				
December	1					
	2	1) Radioactivity	Types of radioactive decay, general characteristics of radioactive decay, decay kinetics, general expression for the activity of a daughter nuclide	2L	Lecture PPT	Reference Book
	3		Geiger- Nuttalis law, α -decay: A problem in classical physics, Internal conversion and the Auger effect.	2L	Lecture PPT	
	4	2) Elements of Radiation	Chemistry Interaction of radiation with matter, interaction of γ radiation with matter	2L	Lecture PPT	Reference Book
January	1		units for measuring radiation absorption, Radiation dosimetry	2L	Lecture PPT	
	2		Radiolysis of water, free radicals in water radiolysis, Radiolysis of some aqueous solutions.	2L	Lecture PPT	
	3	3) Nuclear Fission:	The discovery of nuclear fission, the process of nuclear fission, fission fragments and their mass distribution	2L	Lecture PPT	Reference Book
	4		charge distribution, Ionic charge of fission fragments, fission energy, fission cross-section and threshold	2L	Lecture PPT	
February	1		fission neutrons, theory of nuclear fission, Neutron evaporation and spallation.	2L	Lecture PPT	
	2	4) Applications of Radioactivity	Typical reaction involved in the preparation of radioisotopes, The Szillard- Chalmers reaction, Radiochemical principles in the use of tracers	2L	Lecture PPT	Reference Book
	3		Isotopes in elucidating reaction mechanism and structure	2L	Lecture PPT	

			determination, physic-chemical research - The solubility of a sparingly soluble substances, surface area of a powder or precipitate rates of diffusion,			
	4		Analytical applications- Isotope dilution analysis, Neutron activation analysis, Radiometric titrations, Medical applications- Thyroiditis, Assessing the volume of blood in a patient	2L	Lecture PPT	
March	1		Industrial applications thickness measurements and control, friction and wear out, gamma radiography.	2L	Lecture PPT	
	2					
	3					
	4					
April	1					
	2					
	3					
	4					




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	Department of Chemistry Teaching Plan Academic Year: 2020-21	
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Class: M.ScII

Subject: ,130 Molecular Symmetry

Name of the Teacher: Mr.Dighe S.B.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester –I,						
June	3					
	4					
July	1					
	2					
	3					
	4	1) Molecular Symmetry and Symmetry Groups	Symmetry elements and operations, Symmetry planes and reflections, the inversion centre, proper axes and proper rotations, improper axes and improper rotation,	(10L) [2L]	Ppt,	Reff.book

August	1		products of symmetry operations, equivalent symmetry elements and equivalent atoms, general relations among symmetry elements	[2L]	Ppt,	Reff.book
	2		and symmetry operations, classes of symmetry operations, symmetry elements and optical isomerism	[2L]	Ppt,	Reff.book
	3		symmetry point groups, classification of molecular point groups. Defining properties of a group	[2L]	Ppt,	Reff.book
	4		group multiplication table, some examples of group, subgroups and classes	[2L]	Ppt,	Reff.book
September	1	2) Representations of Groups (06 L)	Matrix representation and matrix notation for geometric transformation,	(06 L) [2L]	Ppt,	Reff.book
	2		The Great Orthogonality Theorem and its consequence, character tables (No mathematical part),	[2L]	Ppt,	Reff.book
			wave function as basis for irreducible representations	[2L]	Ppt,	Reff.book
	3	3) Symmetry Adapted Linear Combinations (04L)	Projection operators and their use of construct SALC (Construction of SALC for sigma bonding for molecules belonging point groups: D _{2h} , D _{3h} , D _{4h} , C _{4v} , T _d , O _h .)	(04L) [2L]	Ppt,	Reff.book
	4		normalization of SALC, transformation properties of atomic orbital, MO's for sigma bonding, AB _n molecules, tetrahedral AB ₄ and Oh AB ₆ cases.	[2L]	Ppt,	Reff.book
October	1	4) Application	Introduction, selection rules, polyatomic molecules,		Ppt,	Reff.book

		of Group theory to Infrared Spectroscopy	possible vibrations in a linear molecule, bending modes,	(04L) [2L]		
	2		symmetry of vibrations and their IR activity, Group vibration concept and its limitations,.	[2L]	Ppt,	Reff.book
	3		IR spectra related to symmetry of some compounds, IR spectra of complex compounds	[2L]	Ppt,	Reff.book
	4		Problem			
December	1	1)Concept and Scope of Ligand Fields:		(05 L)		
	2		Quantum numbers, Free ion Configuration, Terms and States, Energy levels of transition metal ions	[2L]	Ppt,	Reff.book
				[2L]	Ppt,	Reff.book
			free ion terms, microstates, term wave functions, spin-orbits coupling.	[2L]	Ppt,	Reff.book
	3	2)Ligand Field Theory of Coordination Complexes	Effect of ligand field on energy levels of transition metal ions, strong field effect,.	[7L] [2L]	Ppt,	Reff.book
	4		weak cubic ligand field effect on Russell-Saunders terms, Orgel diagrams,	[2L]	Ppt,	Reff.book
January	1		, correlation diagrams, Tanabe-Sugano Diagrams,	[2L]	Ppt,	Reff.book
	2		Spin-Pairing energies. Diagram Practice	[2L]	Ppt,	Reff.book
	3	3)Electronic spectra of Transition Metal Complexes (06	Introduction, band intensities, band energies, band width and shapes, transition metalspectra of 1st, 2nd and 3 rd row ions	(06 L) [2L]	Ppt,	Reff.book

		L)				
	4		complexes, electronic spectra of Lanthanide and Actinide, spectrochemical and nephelauxetic series, charge transfer	[2L]	Ppt,	Reff.book
February	1		luminescence spectra, calculations of Dq , B , β parameters, percentage of covalent character for metal complexes	[2L]	Ppt,	Reff.book
	2	4)Magnetic Properties of Coordination Complexes (06 L)	Origin magnetism, types of magnetism, Curie law, Curie-Weiss Law, Magnetic properties of complexes-Para magnetism,	(06 L) [2L]	Ppt,	Reff.book
	3		1st and 2nd Ordered Zeeman effect, quenching of orbital angular momentum by Ligand fields,	[2L]	Ppt,	Reff.book
	4		Magnetic properties of A, E and T ground terms in complexes, spin free and	[2L]	Ppt,	Reff.book
March	1		spin paired equilibria, temperature dependence of magnetism	[2L]	Ppt,	Reff.book
	2					
	3					
	4					


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Department of Chemistry
Teaching Plan
Academic Year: 2020-21



Class: M.Sc.-I **Subject: Organic Chemistry** **Name of the Teacher: Mr. Kharde Amol Karbhari**
CHO- 150 Section-I

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3					
	4					
July	1					
	2		Admission			
	3		Admission			
	4	1. Structure and Reactivity	Aromaticity: Benzenoid and non-benzenoid compounds, Huckel's rule, antiaromaticity,	02	Lecture/PPT	Ref. Book
August	1		Application to carbocyclic and heterocyclic systems, annulenes, azulenes, current concepts of aromaticity.	02	Lecture/PPT	Ref. Book
	2	2. Heterocyclic Chemistry	Five and six membered heterocycles with one and two hetero atoms	02	Lecture/PPT	Ref. Book
	3		Synthesis, reactivity, aromatic character and importance of following heterocyclic	02	Lecture/PPT	Ref. Book

			compounds			
	4		Furan, Pyrrole, Thiophene, Pyrazole	02	Lecture/PPT	Ref. Book
	1		Imidazole, Pyridine, Pyrimidine	02	Lecture/PPT	Ref. Book
September	2	3. Stereochemistry	Stereochemical principles, enantiomeric relationship	02	Lecture/PPT	Ref. Book
	3		Distereomeric relationship, R and S	02	Lecture/PPT	Ref. Book
	4		E and Z nomenclature in C, N, S, P containing compounds	02	Lecture/PPT	Ref. Book
	1		Prochiral relationship, stereospecific and stereoselective reactions,	02	Lecture/PPT	Ref. Book
October	2		Optical activity in biphenyls, spiranes, allenes, Topicity.	02	Lecture/PPT	Ref. Book
	3		Conformational analysis of di, tri, tetra-substituted 5 -6 membered rings	02	Lecture/PPT	Ref. Book
	4		Conformational analysis of decalins.	02	Lecture/PPT	Ref. Book
Class: M.Sc.-I		Subject: Organic Chemistry CHO- 250 Section-I				
December	1					
	2	1. Photochemistry	Principles of Photochemistry,	02	Lecture/PPT	Ref. Book
	3		photochemistry of carbonyl compounds,	02	Lecture/PPT	Ref. Book
	4		photochemistry of alkenes, dienes,	02	Lecture/PPT	Ref. Book
	1		photochemistry of aromatic compounds	02	Lecture/PPT	Ref. Book
January	2		photo rearrangements,	02	Lecture/PPT	Ref. Book
	3		Barton reaction	02	Lecture/PPT	Ref. Book
	4	2. Pericyclic Reactions	Cycloaddition reactions,	02	Lecture/PPT	Ref. Book
	1		Analysis by correlation diagrams,	02	Lecture/PPT	Ref. Book
February	2		FMO approach,	02	Lecture/PPT	Ref. Book
	3		Electrocyclic 1,3-dipolar additions	02	Lecture/PPT	Ref. Book
	4		sigmatropic 1,3-dipolar additions	02	Lecture/PPT	Ref. Book
	1		and ene reactions, 1,3-dipolar additions.	02	Lecture/PPT	Ref. Book
March	2					




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	Department of Chemistry Teaching Plan Academic Year: 2020-21	
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Class: M.Sc.


**Subject: CHO-150 Organic
Chemistry Section-II**


Name of the Teacher: Kadu Vinod Raosaheb

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3					
	4					
July	1					
	2					
	3					
	4	1. Structure, Stability and Reactions of Reactive Intermediates	Carbocation, Carbanion, Free Radical, Carbenes and nitrenes	2	Lecture/PPT	Ref. Book/ e-content
August	1			2	Lecture/PPT	Ref. Book/ e-content
	2	2. Rearrangements:	NGP : Neighbouring group participation	2	Lecture/PPT	Ref. Book/ e-content
	3		Beckmann, Hofmann, Curtius, Schmidt, Wolff, Lossen,	2	Lecture/PPT	Ref. Book/ e-content
	4		Bayer-villiger, Sommelet, Favorskii,	2	Lecture/PPT	Ref. Book/ e-content

			Pinacol-pinacolone.			
September	1		Benzil-benzilic acid, Fries, Tiffeneau Demjanov	2	Lecture/PPT	Ref. Book/ e-content
	2	3. Ylides:	Phosphorus, Nitrogen	2	Lecture/PPT	Ref. Book/ e-content
	3		Sulphur ylides	2	Lecture/PPT	Ref. Book/ e-content
	4		Oxidising agents: CrO ₃ , PDC, PCC, KMnO ₄ , MnO ₂ , Swern, SeO ₂ , Pb(OAc) ₄ , Pd-C,	2	Lecture/PPT	Ref. Book/ e-content
October	1	4. Oxidation and Reduction Reactions:	RuO ₄ , OsO ₄ , m-CPBA, O ₃ , NaIO ₄ , HIO ₄ , TEMPO, IBX, CAN, Dess-Martin, DDQ, Ag ₂ O	2	Lecture/PPT	Ref. Book/ e-content
	2		Reducing agents: Boranes and hydroboration reactions, MPV reduction and reduction	2	Lecture/PPT	Ref. Book/ e-content
	3		with H ₂ /Pd-C, Raney-Ni, NaBH ₃ CN, Willkinsons catalyst, DIBAL and Wolff-Kishner	2	Lecture/PPT	Ref. Book/ e-content
	4		reduction, Birch, Clemenson, Dissolving metal	2	Lecture/PPT	Ref. Book/ e-content
December	1					
	2	1. UV and IR Spectroscopy	UV: Recapitulation of UV spectroscopy, spectra of important functional groups 1. With and without conjugation,	2	Lecture/PPT	Ref. Book/ e-content
	3		2. Ring size effect 3. Effect of H-bonding, 4. Resonance effect, 5. Inductive effect.	2	Lecture/PPT	Ref. Book/ e-content
	4		Understanding of basic principle, chemical and magnetic nonequivalence, Homotopism, Enantiotopism, diastereotopism,	2	Lecture/PPT	Ref. Book/ e-content
January	1	2. ¹H-NMR	chemical shifts and factors influencing chemical shift: electronegativity, NMR solvent polarity,	2	Lecture/PPT	Ref. Book/ e-content
	2		temperature, anisotropic effect,	2	Lecture/PPT	Ref. Book/ e-content

			chemical shifts of acidic protons, D ₂ O exchange, Multiplicity patterns and Coupling Constants; Pascal's triangle, understanding of tree diagram,			
	3		complex splitting patterns in aromatic, vinylic, saturated monocyclic compounds,	2	Lecture/PPT	Ref. Book/ e-content
	4		bicyclic compounds (fused and bridged rings),	2	Lecture/PPT	Ref. Book/ e-content
	1		Integration: NMR of racemic mixture, relationship between integration and ee% in diastereotomers.	2	Lecture/PPT	Ref. Book/ e-content
	2		Basic of ¹³ C-NMR Chemical shift and factors affecting chemical shifts in ¹³ C NMR,			Ref. Book/ e-content
	3	3. ¹³ C-NMR	off resonance and proton decoupled spectra. Simple problems on ¹³ C-NMR.	2	Lecture/PPT	Ref. Book/ e-content
	4		Basic principle of MS, significance of M ⁺ (m/z) in determination of molecular formula,	2	Lecture/PPT	Ref. Book/ e-content
	1	4. Mass spectrometry (MS)	Rule of 13. Genesis of m/z fragments: alkanes (cyclic and acyclic), alcohols, amines	2	Lecture/PPT	Ref. Book/ e-content
February	2					
	3					
	4					
March	1					
	2					
	3					
	4					




Signature of the Teacher


Head
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	Department of Chemistry Teaching Plan Academic Year: 2020-21	
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Class: M.Sc-I

Sub:CHG – 190, General Chemistry-I

Name of the Teacher: Miss.Raut.K.K

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3					
	4					
July	1					
	2					
	3	Elective Option-C: Introduction to Chemical Biology-I				
	4	1. Overview of Biochemical Concepts		3L	Lecture/PPT	Ref. Book
August	1	2. Chemistry of Biomembranes	Structure, Functions and Composition, Fluid Mosaic Model by Singer and Nicholson, Properties of membrane, Transport of Ions (Na ⁺ , K ⁺ , H ⁺ , Ca ²⁺ , Cl ⁻) and Molecule (Glucose, Amino acids, Proteins), transport across the	6L	Lecture/PPT	Ref. Book



	2		membrane, Uniport Symport Antiport, Active and Passive facilitated transport, Exocytosis and Endocytosis (Pinocytosis, phagocytosis, receptor mediated endocytosis), Drug transport, Amphipathic nature and Significance of liposomes		Lecture/PPT	Ref. Book
	3	3. Carbohydrates	Classification, Structure and Properties, Derived sugars and their significance, Glycoproteins, glycolipids	4L	Lecture/PPT	Ref. Book
	4	4. Lipids	Classification, Structure and Properties of lipids, Saponification number, Iodine number, Acid number, Rancidity of lipids, Lipoproteins	4L	Lecture/PPT	Ref. Book
September	1	5. Amino Acids and Proteins	Introduction, Classification of amino acids, Physico chemical properties, Optical properties, Peptide bond, Primary, Secondary, Tertiary and Quaternary structure of proteins	7L	Lecture/PPT	Ref. Book
	2		Protein-Ligand interactions, Denaturation of proteins, Oligopeptide synthesis, Concept of proteomics		Lecture/PPT	Ref. Book
	3					
	4					

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	Department of Chemistry Teaching Plan Academic Year: 2020-21	
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Class: M.Sc-II

**Subject: CHA-390 Electrochemical and
 Thermogravimetric Methods of
 Chemical Analysis
 Section-I: Electroanalytical Techniques**

Name of the Teacher: Ghogare R.D.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - III						
June	3					
	4					
July	1					
	2					
	3					
	4	1.Coulometry	Current voltage relationship during an electrolysis, Operating cell an at fixed applied potential, constant current electrolysis, Electrolysis at constant working electrode potential, Coulometric methods of analysis	2L	Lecture / PPT	Refference Eook
August	1		Faradays laws of electrolysis, Instrumentations-	2L	Lecture / PPT	

		Constant current and constant voltage instruments			
	2	potentiation coulometry-Instrumentation and applications, coulometric titrations - apparatus and applications, problems	2L	Lecture / PPT	
	3	2. Voltammetry and Polarographic Methods of Analysis. a) Polarography (linear scan polarography): Polarographic principles, Instrumentation (different types of microelectrode such as dropping mercury electrode, the static drop mercury electrode, rotating disc and ring disc electrode, cell for polarography, reference and counter electrode and circuit diagram)	2L	Lecture / PPT	Reference Book
	4	polarogram and polarographic currents, charging or capacitive current, role of supporting electrolyte, factors affecting on polarographic wave,	2L	Lecture / PPT	
September	1	Ilkovic Equation, advantages and disadvantages of DME, polarographic maxima and maxima suppressors, interference due to dissolved oxygen, Applications (qualitative analysis, quantitative analysis by calibration curve and standard addition methods),	2L	Lecture / PPT	
	2	specific examples of analysis – analysis of Cu, Cd, Zn, Pb, etc. from tap water and alloys , problems.	2L	Lecture / PPT	
	3	b) Hydrodynamic Voltametry: Hydrodynamic voltametry and applications of hydrodynamic voltametry (voltametric detectors in chromatography and flow injection analysis, Voltametric oxygen sensors, amperometric titration.	2L	Lecture / PPT	
	4	c) Cyclic Voltametry: Principle of cyclic Voltammetry, cyclic voltammogram of $K_3[Fe(CN)_6]$ and parathion (Fundamental studies), determination of analytes using CV, criteria of reversibility of electrochemical reactions, quasi-reversible and irreversible	2L	Lecture / PPT	

			process			
October	1		d) Pulse Polarography: different types of excitation signals in pulse polarography, Differential pulse polarography, square wave polarography, and Stripping method. Voltammetry with ultra-microelectrode	2L	Lecture / PPT	
	2		Applications of these techniques Cu and Zn from tap water by differential pulse polarography and by square wave polarography	2L	Lecture / PPT	
	3		Vitamin-C by differential pulse polarography, Determination of Pb in tap water by stripping method	2L	Lecture / PPT	
	4					
Class: M.Sc-II		Subject: CHA-490: Advanced Analytical Spectroscopic Techniques Section-I: Atomic Spectroscopic Methods				
December	1					
	2	1. Sample preparation techniques	Introduction, aqueous sample, liquid-liquid extraction, Ion exchange, co-precipitation, solid samples: decomposition techniques, microwave digestion, dry ashing, fusion, Extraction procedures: Single extraction, sequential extraction, enzymatic digestion	2L	Lecture / PPT	Reference Book
	3	2. Atomic Absorption and emission Spectroscopy	Introduction, Atomic spectra, Instrumentation of AAS: Sample introduction system: Nebulizers, Laser Ablation technique, hydride vapour generators, atomizers: Flame atomizer - premix burner	2L	Lecture / PPT	Reference Book
	4		fuel gases and oxidants, graphite furnace, hydride generator, cold vapour technique, Hollow cathode lamps, spectrophotometers, detectors, Interferences in AAS (spectral and chemical)	2L	Lecture / PPT	
January	1		Quantitative analysis (calibration curve method, standard addition method, internal standard addition method), Practical applications of AAS	2L	Lecture / PPT	

	2	3. Inductively Coupled Plasma AES and MS	a. Inductively Coupled Plasma AES: Introduction to Atomic emission spectroscopy, inductively coupled plasma, Direct current plasma, microwave induced plasma,	2L	Lecture / PPT	
	3		glow discharge, plasma spectroscopy, spectrometers, Detectors, interferences	2L	Lecture / PPT	
	4		b. Inductively Coupled Plasma MS: Fundamental of MS, Inorganic mass spectroscopy, Interface, mass spectrometer, quadrupole mass analyser	2L	Lecture / PPT	
February	1		detectors, interferences, isotope dilution analysis, mass spectral interpretation	2L	Lecture / PPT	
	2		c. Applications: Forensic analysis of documents, Clinical analysis of blood and urine, Analysis of metals from waste water sample of ICP-MS method	2L	Lecture / PPT	
	3	4. Atomic Fluorescence Spectroscopy	Atomic fluorescence, Apparatus for AFS, EMR source for AFS, LASERS, Cells for AFS, Plasmas- ICP and DCP, Detectors, theory of AFS,	2L	Lecture / PPT	Refference Eook
	4		Interferences with AFS, Resonant ionization Spectroscopy, LASER enhanced ionization spectroscopy	2L	Lecture / PPT	
March	1	5. Elemental Analysis	Particular analyses, Elemental organic microanalysis, Total nitrogen analysers (TN), Total sulphur analysers, Total carbon analysers, problems on empirical and molecular formula on CHONS analysis.	2L	Lecture / PPT	Refference Eook
	2					
	3					
	4					

Signature of the Teacher

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Department of Chemistry
Teaching Plan
Academic Year: 2020-21



Class: M.Sc-II

**Subject: CHA-390 Electrochemical and
 Thermogravimetric Methods of
 Chemical Analysis**
Section-I: Electroanalytical Techniques

Name of the Teacher: Ghogare R.D.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - III						
June	3					
	4					
July	1					
	2					
	3					
	4	1.Coulometry	Current voltage relationship during an electrolysis, Operating cell an at fixed applied potential, constant current electrolysis, Electrolysis at constant working electrode potential, Coulometric methods of analysis	2L	Lecture / PPT	Refference Book
August	1		Faradays laws of electrolysis, Instrumentations-	2L	Lecture / PPT	

		Constant current and constant voltage instruments			
	2	potentiometry-Instrumentation and applications, coulometric titrations - apparatus and applications, problems	2L	Lecture / PPT	
	3	2.Voltammetry and Polarographic Methods of Analysis. a) Polarography (linear scan polarography): Polarographic principles, Instrumentation (different types of microelectrode such as dropping mercury electrode, the static drop mercury electrode, rotating disc and ring disc electrode, cell for polarography, reference and counter electrode and circuit diagram)	2L	Lecture / PPT	Reference Book
	4	polarogram and polarographic currents, charging or capacitive current, role of supporting electrolyte, factors affecting on polarographic wave,	2L	Lecture / PPT	
September	1	Ilkovic Equation, advantages and disadvantages of DME, polarographic maxima and maxima suppressors, interference due to dissolved oxygen, Applications (qualitative analysis, quantitative analysis by calibration curve and standard addition methods),	2L	Lecture / PPT	
	2	specific examples of analysis – analysis of Cu, Cd, Zn, Pb, etc. from tap water and alloys , problems.	2L	Lecture / PPT	
	3	b) Hydrodynamic Voltametry: Hydrodynamic voltametry and applications of hydrodynamic voltametry (voltametric detectors in chromatography and flow injection analysis, Voltametric oxygen sensors, amperometric titration.	2L	Lecture / PPT	
	4	c) Cyclic Voltametry: Principle of cyclic Voltammetry, cyclic voltammogram of $K_3[Fe(CN)_6]$ and parathion (Fundamental studies), determination of analytes using CV, criteria of reversibility of electrochemical reactions, quasi-reversible and irreversible	2L	Lecture / PPT	

			process			
October	1		d) Pulse Polarography: different types of excitation signals in pulse polarography, Differential pulse polarography, square wave polarography, and Stripping method. Voltammetry with ultra-microelectrode	2L	Lecture / PPT	
	2		Applications of these techniques Cu and Zn from tap water by differential pulse polarography and by square wave polarography	2L	Lecture / PPT	
	3		Vitamin-C by differential pulse polarography, Determination of Pb in tap water by stripping method	2L	Lecture / PPT	
	4					
Class: M.Sc-II		Subject: CHA-490: Advanced Analytical Spectroscopic Techniques Section-I: Atomic Spectroscopic Methods				
December	1					
	2	1. Sample preparation techniques	Introduction, aqueous sample, liquid-liquid extraction, Ion exchange, co-precipitation, solid samples: decomposition techniques, microwave digestion, dry ashing, fusion, Extraction procedures: Single extraction, sequential extraction, enzymatic digestion	2L	Lecture / PPT	Reference Book
	3	2. Atomic Absorption and emission Spectroscopy	Introduction, Atomic spectra, Instrumentation of AAS: Sample introduction system: Nebulizers, Laser Ablation technique, hydride vapour generators, atomizers: Flame atomizer - premix burner	2L	Lecture / PPT	Reference Book
	4		fuel gases and oxidants, graphite furnace, hydride generator, cold vapour technique, Hollow cathode lamps, spectrophotometers, detectors, Interferences in AAS (spectral and chemical)	2L	Lecture / PPT	
January	1		Quantitative analysis (calibration curve method, standard addition method, internal standard addition method), Practical applications of AAS	2L	Lecture / PPT	

	2	3. Inductively Coupled Plasma AES and MS	a. Inductively Coupled Plasma AES: Introduction to Atomic emission spectroscopy, inductively coupled plasma, Direct current plasma, microwave induced plasma,	2L	Lecture / PPT	
	3		glow discharge, plasma spectroscopy, spectrometers, Detectors, interferences	2L	Lecture / PPT	
	4		b. Inductively Coupled Plasma MS: Fundamental of MS, Inorganic mass spectroscopy, Interface, mass spectrometer, quadrupole mass analyser	2L	Lecture / PPT	
	1		detectors, interferences, isotope dilution analysis, mass spectral interpretation	2L	Lecture / PPT	
February	2		c. Applications: Forensic analysis of documents, Clinical analysis of blood and urine, Analysis of metals from waste water sample of ICP-MS method	2L	Lecture / PPT	
	3	4. Atomic Fluorescence Spectroscopy	Atomic fluorescence, Apparatus for AFS, EMR source for AFS, LASERS, Cells for AFS, Plasmas- ICP and DCP, Detectors, theory of AFS,	2L	Lecture / PPT	Reference Book
	4		Interferences with AFS, Resonant ionization Spectroscopy, LASER enhanced ionization spectroscopy	2L	Lecture / PPT	
	1	5. Elemental Analysis	Particular analyses, Elemental organic microanalysis, Total nitrogen analysers (TN), Total sulphur analysers, Total carbon analysers, problems on empirical and molecular formula on CHONS analysis.	2L	Lecture / PPT	Reference Book
March	2					
	3					
	4					



Signature of the Teacher

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	Department of Chemistry Teaching Plan Academic Year: 2020-21	
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Name of teacher : Dighe Sharad Bhaskar

Class: M.Sc-II

Subject: , CHA-391 Analytical Method Development

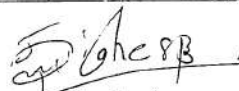
Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I (Sec-I: Analytical Extraction Techniques [24 L +6 T])						
June	3					
	4					
July	1					
	2					
	3					
	4	1. Assay Validation and Inter Laboratory Transfer	Introduction, fundamental definitions, Essential principles of method transfer, method validation report, the interlaboratory qualification (ILQ) process	[2L]	Ppt	Reff.Book


August	1	2. Statistical Analysis and analytical Figure of Merit	Introduction, Errors (gross errors, systematic errors, random errors), accuracy, validation parameters: Accuracy, precision,	[14 L] 2L	Ppt	Reff.Book
	2		mean and standard deviation, calibration, (linear response functions (linear regression-errors in slope and the intercept, error in the estimate of concentration	2L	Ppt	Reff.Book
	3		reliability of results, confidence interval, comparison of results, comparison of two means of two samples, experimental design	2L	Ppt	Reff.Book
	4		receptor binding assay), limit of quantification, sensitivity, ruggedness and robustness,	2L	Ppt	Reff.Book
September	1		analyte stability in the sample matrix, how to reduce systematic errors, mean and standard deviation standard additions)	2L	Ppt	Reff.Book
	2		limits of detections (spectrophotometric methods, chromatographic methods and related techniques,	2L	Ppt	Reff.Book
	3		non-linear response functions and weighted regression analysis, internal standards), selectivity and specificity (chromatographic methods),	2L	Ppt	Reff.Book
	4	3. Overview of World Wide Regulations	3. Overview of World Wide Regulations	(2 L)	Ppt	Reff.Book
October	1	4. Specific methods and Applications: Dissolution Studies	Introduction, Dissolution test, Apparatus – USP type –I and II, Sampling and analytical instrumentation, Single point test Vs.	[4 L] 2L	Ppt	Reff.Book
	2		Dissolution profile, Calibration, regulatory guidelines, analytical validation, linearity, accuracy, precision, specificity	2L	Ppt	Reff.Book
	3	5. Specific	Explain these method w.r.t. method development and	[2 L]	Ppt	Reff.Book

		Examples	validation of specified analyte from the research papers			
	4					
December	1	1. Introduction to Pharmaceutical Analytical Chemistry	Introduction, Official European Pharmacopoeia definitions, Pharmaceutical Analytical Chemistry, Manufacture of Pharmaceuticals, Development of New Drugs, Use of Pharmaceuticals	[1 L]	ppt	Reff. Book
	2	2 Marketing Authorizations Pharmaceutical Manufacturing, and International Pharmacopoeias [1 L]	Introduction, Marketing Authorization and Industrial Production, Pharmacopoeias, Life Time of Pharmaceutical Preparations and Ingredients	[1 L]	ppt	Reff. Book
	3	3. Chemical Analysis of Pharmaceutical Ingredients	1 Pharmaceutical Ingredients, Production, and Control, Pharmacopoeia Monographs, Melting point capillary method, (monograph on paracetamol and acepromazine malate tablet, acetaminophen, acetaminophen capsules, castor oil virgin, cefaclor),	[12 L] 2L	Ppt	Reff. Book
	4		2 Impurities in Pharmaceutical Ingredients: Impurities in Pure Chemical Ingredients, Impurities in Organic Multi-Chemical Ingredients; Identification of Pharmaceutical Ingredients: IR Spectrophotometry (identification of ibuprofen, Identification of spironolactone), UV-Vis Spectrophotometry (Identification of mianserin hydrochloride).	2L	Ppt	Reff. Book
January	1		3 Thin-Layer Chromatography (Identification of metrifonate), Melting Point, Optical Rotation (Optical rotation for simvastatin), Liquid Chromatography (Identification of calcitriol), Chloride (Identification of chloride in chlorcyclizine hydrochloride) and Sulfate, Identification, Impurity Testing of Pharmaceutical Ingredients	2L	Ppt	Reff. Book
	2		4 (Pure Chemical Ingredients): Appearance of Solution	2L	Ppt	Reff. Book

		(Appearance of solution for ibuprofen), Absorbance (Absorbance and color of solution of esomeprazole magnesium) pH and Acidity or Alkalinity (pH of esmolol hydrochloride, Acidity or alkalinity of dopamine hydrochloride), Related Substances (Related substances according to Ph. Eur. for omeprazole),			
	3	5 Residual Solvents (Limit of acetone in olmesartanmedoxomil), Foreign Anions (Test for foreign chlorides and sulfates in furosemide), Sulfated Ash (Residue on ignition for acetaminophen), Elemental Impurities (Test for foreign zinc in human insulin), Loss on Drying (Loss on drying for paracetamol), Water (Determination of water in ephedrine), Identification and Impurity Testing of Organic Multi-Chemical Ingredients: Oxidizing Substances, Only importance of the should be explained - Acid Value, Hydroxyl Value, Iodine Value, Peroxide Value, Saponification Value, Unsaponifiable Matter),	2L	Ppt	Reff.Book
	4	6 Other Tests (Chromatographic profile for peppermint oil), Assay of Pharmaceutical Ingredients, Aqueous Acid-Base Titration (Assay of omeprazole, amitriptyline hydrochloride, ephedrine hydrochloride, ephedrine), Non-Aqueous Acid-Base Titration (metronidazole benzoate, lidocaine), Redox Titrations (ferrous fumarate), Liquid Chromatography (Assay of simvastatin), UV-Vis Spectrophotometry (Assay of hydrocortisone)	2L	Ppt	Reff.Book
February	1	4. Chemical Analysis of Pharmaceutical Preparations Chemical Analysis of Pharmaceutical Preparations, Monographs and Chemical Analysis (BP monograph for paracetamol tablets),	[10 L] 2L	Ppt	Reff.Book
	2	Identification of the API: Identification by IR Spectrophotometry (Identification of aspirin, fluoxetine in fluoxetine	2L	Ppt	Reff.Book
	3	hydrochloride oral solution, Identification of mupirocin in	2L	Ppt	Reff.Book

		mupirocin calcium nasal ointment), Identification by Liquid Chromatography			
	4	(Identification of fluoxetine in fluoxetine hydrochloride, droperidol in droperidol injection, Beclomethasone Dipropionate in Beclomethasone Dipropionate Ointment), Identification by UV-Vis	2L	Ppt	Reff. Book
March	1	Spectrophotometry (Identification of Diazepam in Diazepam Tablets, Flupentixol Decanoate in Flupentixol Decanoate Injection, Miconazole in	2L	Ppt	Reff. Book
	2	Miconazole Nitrate Cream), Assay of the Active Pharmaceutical Ingredient, Assays Based on Liquid Chromatography (Assay of Omeprazole	2L	Ppt	Reff. Book
	3	Fentanyl in Fentanyl Citrate Injection, Assay of Hydrocortisone in Hydrocortisone Ointment), Assays Based on UV Spectrophotometry	2L	Ppt	Reff. Book
	4	(Assay of Paracetamol in Paracetamol Tablets, Assay of Doxapram in Doxapram Hydrochloride Injection), Assays Based on Titration (Assay of Fe ²⁺ in Ferrous Fumarate Tablets, Diphenhydramine in Diphenhydramine Hydrochloride Oral Solution),	2L	Ppt	Reff. Book
April	1	Chemical Tests for Pharmaceutical Preparations, Test for Related Substances (Related Substances in Paracetamol Tablets), Uniformity of Content (Uniformity of Content for Phenindione Tablets), Dissolution.	2L	Ppt	Reff. Book
	2				
	3				
	4				




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	Department of Chemistry Teaching Plan Academic Year: 2020-21	
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Class: M.Sc. II

Subject: CHA-391 Section-II:
Analytical Extraction Techniques

Name of the Teacher: Waditke Sachin Kailas

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/ Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester – III Section-II:						
June	3					
	4					
July	1					
	2					
	3					
	4	Pre and Post Extraction Consideration	Organic compounds of interest, pre-sampling issues, sampling strategies-solid, aqueous and air samples, chromatographic method of analysis,	01	Lecture/PPT	Ref. Book
August	1	Classical Approach for Aqueous Extraction	Introduction, Liquid-Liquid extraction (LLE), Theory of LLE: distribution ratio and coefficient, solute remaining unextracted,	02	Lecture/PPT	Ref. Book
	2	Classical Approach for	percent extraction, separation factor, factors favouring solvent extraction, quantitative treatment to solvent	02	Lecture/PPT	Ref. Book

		Aqueous Extraction	extraction equilibria			
	3	Classical Approach for Aqueous Extraction	purge and trap for volatile organics in aqueous samples, Examples of Solvent Extraction- estimation individual metal ions Be, B, Cu, Fe and Pb by solvent extraction	02	Lecture/PPT	Ref. Book
	4	Solid Phase extraction (SPE)	Introduction, Types of SPE media, SPE formats and apparatus, method for SPE operation, solvent selection, factors affecting SPE,	02	Lecture/PPT	Ref. Book
September	1	Solid Phase extraction (SPE)	selected methods of analysis for SPE: application of normal phase SPE, application of reversed phase SPE, application of ion exchange SPE,	02	Lecture/PPT	Ref. Book
	2	Solid Phase extraction (SPE)	applications of molecularly impaired polymers, Automation and On-Line SPE and its applications	02	Lecture/PPT	Ref. Book
	3	Solid phase micro-extraction	Introduction, theoretical considerations, experimental, Methods of analysis: SPME-GC: direct immersion SPME	02	Lecture/PPT	Ref. Book
	4	Solid phase micro-extraction	Methods of analysis: SPME-HPLC-MS: analysis of abitic dehydroabietic acid in food samples, analysis of fungicide in water. Automation of SPME and its application.	02	Lecture/PPT	Ref. Book
October	1	Solid phase micro-extraction	New development in micro extraction (Introduction, stirbas sorptive extraction, liquid phase micro-extraction, membrane micro extraction, micro extraction in packed syringe)	02	Lecture/PPT	Ref. Book
	2	Solid -Liquid Extraction, Microwave extraction	Classical Approach: Introduction, Soxhlet extraction, Automated Soxhlet extraction, other approaches	02	Lecture/PPT	Ref. Book
	3	Solid -Liquid Extraction, Microwave extraction	Pressurized Fluid Extraction: Introduction, theoretical consideration, Instrumentation for PFE, method development and applications.	02	Lecture/PPT	Ref. Book
	4	Solid -Liquid Extraction, Microwave extraction	Microwave assisted extraction: Introduction, instrumentation, Applications	02	Lecture/PPT	Ref. Book



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	Department of Chemistry Teaching Plan Academic Year: 2020-21	
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Class: M.Sc-II **Subject:CHA-392: Advanced**
Chromatographic Methods of Analysis.
Section-II: Liquid Chromatography.

Name of the Teacher: Ghogare R.D.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - III						
June	3					
	4					
July	1					
	2					
	3					
	4	1. Instrumentation of HPLC	Introduction: HPLC-A powerful separation method, A first HPLC experiment, Liquid chromatographic separation modes, The HPLC instrument, Pumps: General requirements, The short-stroke piston pump, Preparation of Equipment up to Sample Injection: Selection of the mobile phase, Preparation of the mobile phase, Gradient systems, Sample injectors, Sample	2L	Lecture PPT	Reference Book

			<p>olution and sample volume; Solvent Properties: Table of organic solvents, Solvent selectivity, Miscibility, Buffers, Shelf life of mobile phases.</p>			
August	1		<p>The mixing cross, Detectors: General, UV detectors, Refractive index detectors, Fluorescence detectors, Electrochemical (amperometric) detectors, Light-scattering detectors, Multiple detection; Columns and Stationary Phases: Columns for HPLC, Precolumn, General properties of stationary phases, Silica, Chemically modified silica, Styrene-divinylbenzene, Column care and regeneration.</p>	2L	Lecture PPT	
		2. HPLC Methods	<p>a) Adsorption Chromatography: Normal-Phase Chromatography: What is adsorption?, The eluotropic series, Selectivity properties of the mobile phase, Choice and optimization of the mobile phase, Applications. b) Reversed-Phase Chromatography: Principle, Mobile phases in reversed-phase chromatography, Solvent selectivity and strength, Stationary phases, Method development in reversed-phase chromatography, Applications, Hydrophobic interaction chromatography</p>	2L	Lecture PPT	Reference Book
	3		<p>c) Chromatography with Chemically Bonded Phases: Introduction, Properties of some stationary phases, Hydrophilic interaction chromatography, d) Ion-Exchange Chromatography: Introduction, Principle, Properties of ion exchangers, Influence of the mobile phase, Special possibilities of ion exchange, Practical hints, Applications e) Ion-Pair Chromatography:</p>	2L	Lecture PPT	

			Introduction, Ion-pair chromatography in practice, Applications.			
	4		f) Ion Chromatography: Principle, Suppression techniques, Phase systems, Applications. g) Size-Exclusion Chromatography: Principle, The calibration chromatogram, Molecular mass determination by means of size-exclusion chromatography, Coupled size-exclusion columns, Phase systems, Applications. h) Affinity Chromatography: Principle, Affinity chromatography as a special case of HPLC, Applications.	2L	Lecture PPT	
September	1	3. Analytical HPLC	Qualitative analysis, Trace analysis, Quantitative analysis, Recovery, Peak-height and peak-area determination for quantitative analysis, Integration errors, The detection wavelength, Derivatization, Unexpected peaks: Ghost and system peaks.	2L	Lecture PPT	Reference Book
	2	4. Separation of Enantiomers	Introduction, Chiral mobile phases, Chiral liquid stationary phases, Chiral solid stationary phases, Indirect separation of enantiomers.	2L	Lecture PPT	Reference Book
	3	5. Mass Spectrometry, LCMS Interface and applications	Interface Technology: Introduction, Thermo-spray interface, The electron spray interface (mechanism of electron-spray ionization, sample types, the electro-spray spectrum, structural information from electrospray ionization)	2L	Lecture PPT	Reference Book
	4		atmospheric pressure chemical ionization interface and the mechanism of atmospheric pressure chemical ionization. Data acquisition (identification, quantitation-selected ion monitoring), Processing of mass spectra	2L	Lecture PPT	

			total ion current trace, qualitative analysis, quantitative analysis).			
October	1		atmospheric pressure chemical ionization interface and the mechanism of atmospheric pressure chemical ionization. Data acquisition (identification, quantitation-selected ion monitoring), Processing of mass spectra (total ion current trace, qualitative analysis, quantitative analysis).	2L	Lecture PPT	
	2		The Use of Cone-Voltage Fragmentation in Conjunction with High-Accuracy Mass Measurements and LC-MS for Metabolite Identification, The Use of LC-MSn for the Identification of Drug Metabolites), Quantitation (requirements, quantitative standardization, matrix effect in LC-MS, the method of standard addition to overcome matrix effect).	2L	Lecture PPT	
	3	6. Super Critical Fluid Chromatography and Extraction	Properties of supercritical fluid, Supercritical fluid chromatography: Instrumentation and operating variables, effect of pressure, stationary phases, mobile phases, detectors, comparison with other types of chromatography, Applications, supercritical fluid extraction: Advantages of SFE, instrumentation, of line and on line extraction, applications.	2L	Lecture PPT	Refference Book
	4					
Class: M.Sc-II		Subject: CHA-492: B) Analytical Chemistry of agriculture, Polymer and Detergents. Section-II: Polymer Analysis and Detergent analysis.				
December	1					
	2	1. Polymer analysis	a. Introduction: Introduction and Types of polymers.	1L	Lecture PPT	Refference Book
	3		b. Identification: Introduction, Preliminary Identification Methods:	2L	Lecture PPT	

			Solubility, Density, Behaviour on Heating; Infrared Spectroscopy, Raman Spectroscopy, Nuclear Magnetic Resonance Spectroscopy, Ultraviolet-Visible Spectroscopy.		
	4		Differential Scanning Calorimetry, Mass Spectrometry, Chromatography, Emission Spectroscopy.	2L	Lecture PPT
January	1		c. Molecular Weight: Introduction, Molecular Weight Calculations, Viscometry, Chromatography, Ultracentrifugation, Osmometry, Light Scattering, End-Group Analysis, Turbidimetric Titration.	3L	Lecture PPT
	2		d. Structural Methodology: Introduction, Isomerism, Chain Dimensions, Crystallinity, Orientation, Blends, Thermal Behaviour, Dilatometry, Infrared Spectroscopy, Raman Spectroscopy, Nuclear Magnetic Resonance Spectroscopy.	2	Lecture PPT
	3		Optical Microscopy, Transmission Electron Microscopy, X-Ray Diffraction, Neutron Scattering, (Note: Thermal Analysis and thermal degradation are excluded as explained in TGA).	2	Lecture PPT
	4		e. Mechanical Properties: Introduction, Stress-Strain Behaviour, Viscous Flow, Viscoelasticity: Creep, Models, Stress Relaxation, Elasticity, Processing Methods.	2	Lecture PPT
February	1		Tensile Testing, Flexural Testing, Tear-Strength Testing, Fatigue Testing, Impact Testing, Hardness Testing, Viscometry, Dynamic Mechanical Analysis.	2	Lecture PPT
	2	2. Analysis of Surfactants	a) Surfactant types; classification, identification, separation: Why analyse surfactants, Features peculiar to	2	Lecture PPT
					Reference Book

		<p>surfactant analysis, Basic Definitions (surfactant, anionic surfactant, cationic surfactant, non-ionic surfactant, amphoteric surfactant, weakly acidic and basic surfactants), Common types of surfactants of all four classes, b) Elemental analysis: Metals, Determination of nitrogen. Determination of sulphur, Determination of phosphorus.</p>		
3		<p>c) Basic techniques: Extraction of surfactants (Liquid-solid extraction: Liquid-liquid extraction using separating funnels, Liquid-liquid extraction using extraction columns), Acid-base titration: (general principles, end point detection, To describe basic principles techniques / methods soil analysis, pesticide residue analysis, detergent analysis and polymer analysis., Potentiometric titration: Principle, Applications, Methods for esters, amines, alcohols and unsaturated fatty materials, Two-phase titration of ionic surfactants with surfactants of opposite charge, Introduction, ISO 2271: Principle and procedure, Potentiometric titration with surfactants of opposite charge using a surfactant-sensitive electrode, Advantages of potentiometric titration, Construction and performance of surfactant-sensitive electrodes, Titration procedure, Open-column chromatography.</p>	2	Lecture PPT
4		<p>d) Analysis of Representative surfactants: i) Analysis of Anionics: Introduction, general methods- Para-toluidine precipitation/titration method, Analysis of Alkane sulphonates: Determination of total alkane</p>	2	Lecture PPT

			<p>ulphonate. Determination of mean molecular weight of alkane monosulphonates, Separation and determination of alkane mono- and disulphonates, Carboxylates: Titration with benzethonium chloride, Solvent extraction, Acid-base titration, Determination of soaps in fatty products, ii) Analysis of nonionics: Analysis of Ethoxylated alcohols, alkylphenols and fatty acids: Composition, Determination by potentiometric titration, Determination by the cobaltthiocyanate colorimetric method.</p>		
March	1		<p>Determination of total nonionics and polyethylene glycols, Volumetric determination of polyethylene glycols, Determination of oxyethylene groups, Fatty acid ethoxylates: determination of polyethylene glycols, free fatty acid and mono- and diester; iii) Analysis of cationics and amphoteries: Introduction, Analysis of Quaternary ammonium salts; Two-phase titration with sodium dodecyl sulphate, Two-phase titration with sodium tetraphenylborate, Determination of free amine and amine hydrochloride, Amines: Determination of molecular weight and total, primary, secondary and tertiary amines.</p>	2	Lecture PPT
	2				
	3				
	4				




Signature of the Teacher


Head
Department of Chemistry
Arts, Science and Commerce College, Kolhar




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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar

	Department of Chemistry Teaching Plan Academic Year: 2020-21	
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Class: M.Sc II

Subject: , CHA-393-B: Analysis of Food
and Controlled Substances

Name of the Teacher: Mr.Dighe S.B.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester – I , CHA-393: B) Analytical Methods of Food and Controlled Substances						
Section-I: Analytical methods of Food [24 L +6 T]						
June	3					
	4					
July	1					
	2					
	3					
	4	1. Introduction to Food Analysis	Introduction,	[1 L]	Ppt,	Reff.book
August	1	2. Sampling	Selection of Sampling Procedures, Sampling	[1L]	Ppt,	Reff.book

		and Sample Preparation	Procedure			
			Preparation of Samples, Grinding, Enzymatic Inactivation			
	2	3. Moisture and Total solids Analysis	Introduction	[1L]	Ppt,	Reff.book
	3		Importance of Moisture Assay, Moisture Content of Foods, Forms of Water in Foods, Sample Collection and Handling			
	4		Removal of Moisture, Decomposition of Other Food, Constituents, Temperature Control, Types of Pans for Oven Drying Methods, Handling and Preparation of Pans, Control of			
			Surface Crust Formation (Sand Pan Technique), Calculations; Distillation Procedures, Chemical Method: Karl Fischer Titration			
September	1	4. Ash Analysis	Introduction: Definitions, Importance of Ash in Food Analysis, Ash Contents in Foods; Methods: Sample Preparation, Plant Materials, Fat and Sugar Products, Dry Ashing,	[1L]	Ppt,	Reff.book
	2		, Principles and Instrumentation, Procedures, Special Applications, Wet Ashing, Principle Materials, and Applications			
			Procedures, Microwave Ashing, Microwave Wet Ashing, Microwave Dry Ashing, Other Ash Measurements, Comparison of Methods			
		5 Analysis of Lipids	a) Definition, Classification, General Considerations, Solvent Extraction Methods: Sample preparation, Solvent selection, Sample	[5L]	Ppt,	Reff.book

		Preparation, Solvent Selection, Continuous Solvent Extraction Method: Goldfish Method, Semicontiguous Solvent Extraction			
	3	a) Definition, Classification, General Considerations, Solvent Extraction Methods: Sample preparation, Solvent selection, Sample Preparation, Solvent Selection, Continuous Solvent Extraction Method: Goldfish Method, Semicontiguous Solvent Extraction Method: Soxhlet Method, Discontinuous Solvent Extraction Methods, Total Fat by GC for Nutrition Labelling (AOAC Method 996.06),			
	4	Nonsolvent Wet Extraction Methods, Babcock Method for Milk Fat (AOAC Method 989.04 and 989.10), Gerber Method for Milk Fat, Instrumental Methods, Comparison of Methods. (Ref.-1: 119-130) b) Characterization of Lipids (bulk such as oils): Estimation of free fatty acids, Saponification value of oils, iodine value, Determination of acid value of oil, determination of peroxide value of oil, p-anisidine Value and Totox Value, Thiobarbituric Acid Reactive Substances Test, Conjugated Dienes and Trienes, Lipid Oxidation: Evaluating Oxidative Stability, Methods for Lipid Components, Identification and quantification of fatty acids, Problem on quantitative methods. (Ref-1: 241, 246-258, Supplementary-2, 3)			
October	1				
	2	6. Proteins	a Protein Analysis: Introduction, Classification and General Considerations, Importance of Analysis, Content in Foods, [5L]	Ppt,	Reff.book
			Methods: Following methods with respect to principle, reactions, procedures and applications		
			a) Kjeldahl's Method b) Dumas (Nitrogen Combustion) Method, c) Infrared Spectroscopy, d)		

		Biuret Method			
		e) Lowry Method f) Dye-Binding Methods g) Bicinchoninic Acid Method h) Ultraviolet 280nm, Comparison of Methods. (Ref-135 – 142, Supplementary-2, 3). b.			
		Protein Characterization Procedures: Amino Acid Analysis, Protein Nutritional Quality: Introduction, Protein digestibility, Protein efficiency ratio, and net protein ratio, Other Protein			
		Nutritional Quality Tests, Assessment of Protein Functional Properties, Determination of net protein utilization, digestibility and biological value, Problem on quantitative methods			
	7. Carbohydrates	Introduction, Mono- and Oligosaccharides: Extraction, Total Carbohydrate: Phenol-	[5 L]		
	3	Sulfuric Acid Method, total reducing sugars by Nelson Somyogi method, Specific Analysis of Mono- and			
		Oligosaccharides - High-performance Liquid, Gas Chromatography, Enzymic Methods,			
		Degree of Gelatinization of Starch, Degree of Retrogradation of Starch, Non-starch Polysaccharides			
	4	, Dietary Fibres: Major Components of Dietary Fibre, General Considerations, Methods			
November	1	8. Determination of food preservatives Definition, SO ₂ legislation and determination by Tanners method,	[5 L]		
	2	Nitrate and nitrites legislation and determination, boric acid legislation and determination, Benzoic acid legislation			
	3	determination, 4-hydroxybenzoate legislation and			

		determination, ascorbic acid leghemoglobin and determination.			
		Sweeteners: Saccharine identification and determination, Colours: Identification by general methods			
	4	Natural colours. Problem on quantitative methods			
December	1	1. Analysis of soil	Acid digestion of soils, Total soil nitrogen; Microwave acid-digestion, Dry ashing, Nitrate and water-soluble carbohydrate; Extraction Procedures for soils: pH extractants, Phosphate extractants, Potassium extractants, Trace element extractants,	[10L]	Ppt, Ref. book
	2		a) Analysis of Soil: Soil Analytical Procedures - Determination of extractable boron, Cation exchange capacity, exchangeable bases and base Saturation, b) Determination of CEC and exchangeable cations, Measurement of calcium and magnesium by AAS, Measurement of potassium and sodium by flame photometry,		
			F) Determination of cation exchange capacity (CEC), Determination of effective cation exchange capacity (ECEC), Determination of fulvic and humic acids, Discussion - Determination of available nitrogen, Method-a:		
			c) Determination of nitrate by selective ion electrode, Discussion - Determination of total mineralized nitrogen, Methodb: Determination of extractable ammonium-N, Method-b: Determination of extractable nitrate-N,		

			Discussion, Determination of organic plus ammonium nitrogen, Method-a: Determination of soil nitrogen by autoanalysis, Method-a: Reduction of nitrate before digestion and colorimetric auto analysis, Method-b: Determination of organic plus ammonium-N by digestion and distillation, Discussion,			
	4		Determination of soil organic matter, Method-a: Determination of soil organic matter by loss on ignition, Method-b: Determination of easily oxidizable organic C by Tinsley's wet combustion,			
			Discussion 5.8. Determination of pH and lime requirement, Method-a: Measurement of pH, Method-b: Determination of lime requirement, Method-c: Determination of pH in soils with soluble salts, Discussion --			
January	1		H Determination of extractable phosphorus, Method-a: Determination of extractable phosphorus (manual method), Method-b: Determination of extractable phosphorus (automated method),			
	2		I Method-c: Determination of resin extractable phosphorus (automated method), Determination of extractable magnesium, potassium and Sodium, Determination of extractable trace elements, J Discussion-Determination of extractable sulphur, Method-a. Determination of extractable sulphur (manual method), Method-b. Determination of extractable sulphur (automated method)			

	3	2. Fertilizer Analysis:	Discussion: Determination of total nitrogen in presence of nitrate and organic, Method-a: Determination of total nitrogen in presence of nitrate organic N, with final determination by distillation, organic N, with final determination by distillation Method-b: Determination of total nitrogen in presence of nitrate and organic N, with final determination by auto-analysis,	6 L]	Ppt,	Reff. book
	4					
February	1		Discussion - Determination of phosphorus in fertilizers, Method-a. Determination of water-soluble phosphorus(extraction),			
	2		Method-a: Determination of water-soluble phosphorus, (autoanalysis), Method-a: Determination of water-soluble phosphorus(manual method),			
	3		Methodb. Determination of 2% citric acid-soluble phosphorus- method for basic slags (Thomas phosphate),			
	4		Method-c: Determination of total phosphorus in the acid digest from Method-b. with final determination by auto-analysis. Discussion- Determination of potassium in fertilizers			
March	1		Method-a: Determination of water-soluble potassium, Method-b. Determination of ammonium oxalate-soluble potassium, Method-c: Determination of potassium in the acid digest from,			
	2		Liming Materials, Determination of the moisture			

		and neutralizing value of liming materials,			
	3	3. Analysis of Pesticide Residues	Preparation of Samples,	[8L]	Ppt, Reff.book
	4		Collection and Preparation of Soil Samples,		
April	1		Collection and Preparation of Water Samples, Individual Pesticide Residue		
	2		1,naphyl acetic acid (GC), Paraquat (photometric); Multiple Pesticide Residue Analytical Methods: Substituted Phenyl Urea Herbicides (GC),		
	3		Organochlorine and Organophosphorus Pesticides (GC and TLC),		
	4		Di thiocarbamate and Thiuram Disulphide Fungicides (photometric), Phthalimide fungicides (HPLC).		




Signature of the Teacher


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Pravara Rural Education Society's
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	Department of Chemistry Teaching Plan Academic Year: 2020-21	
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Class: M.Sc. II

**Subject: CHA-392: Advanced
Chromatographic Methods of Analysis**

Name of the Teacher: Waditke Sachin Kailas

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3					
	4					
July	1					
	2					
	3					
	4	Mass Spectrometry	Fundamentals, Electron ionization, Chemical ionization, Types of ions Isotopic abundances and characteristic ion cluster	02	Lectures/ PPT	Ref. Book
August	1		Instrumentation: Quadrupole mass spectrometers,	02	Lectures/ PPT	Ref. Book
	2		Magnetic sector mass spectrometers, Nitrogen rule and rings-plus-double-bonds, steps in interpretation,	02	Lectures/ PPT	Ref. Book
	3	Fundamentals of Chromatographic Methods of Analysis	Fundamentals of Chromatographic Separation, Characteristics value in chromatogram, Chromatographic theories	02	Lectures/ PPT	Ref. Book

	4		Rs as measure of peak separation, qualitative and quantitative analysis. Problems.	02	Lectures/ PPT	Ref. Book
September	1	Gas Chromatography	Retention data and partition coefficient, separation in the gas phase, Components of gas chromatography: Carrier gas, sample injection, split injection, splitless injection, detectors- TCD, FID, ECD, Stationary phases for GC: stationary phases for packed column, capillary column, deactivation of surface, different stationary phases,	02	Lectures/ PPT	Ref. Book
	2			02	Lectures/ PPT	Ref. Book
	3	Gas Chromatography-Mass Spectrometry	Vacuum and gas flow, Basic principles, Analysis of vacuum and gas flow, Interfaces, Computerization, Computerized operation, Characteristics, Data analysis,	02	Lectures/ PPT	Ref. Book
	4		Reconstructed gas chromatogram, Mass chromatogram, Selected ion monitoring, Background subtraction, Biller-Biemann stripping technique,	02	Lectures/ PPT	Ref. Book
October	1		Quantitative analysis by selected ion monitoring, Choice of ions: basic considerations, Magnetic sector versus quadrupole analysers,	02	Lectures/ PPT	Ref. Book
	2		Precision, accuracy and limit of detection, Automated GC-MS operation, Automated data acquisition, Automated data analysis	02	Lectures/ PPT	Ref. Book
	3	Applications of GC and GC-MS	Quantitative analysis by GLC-different methods, Elemental Analysis using Gas Chromatography,	02	Lectures/ PPT	Ref. Book



Signature of the Teacher

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Arts, Science and Commerce College, Kolhar



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Pravara Rural Education Society's
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	Department of Zoology Teaching Plan Academic Year: 2020-21	
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Class: F.Y. B.Sc.

Subject: Zoology- I

Name of the Teacher: Miss: Hukare P.M.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Facultyz/Any other)
June	3	Admission				
	4	Admission				
July	1	Principles of Classification	Taxonomy: Basic terminology and Introduction. Alpha, Beta and Gamma levels of taxonomy, Micro-taxonomy. Classical taxonomy and experimental or neo taxonomy (biochemical taxonomy and Cytotaxonomy). Significance of Taxonomy	03	Lecture	Textbook and Reference book
	2	Principles of Classification	1. Systematics: definition introduction. 2. Linnaean system of classification (Six level classification: Phylum, class, order, family, genus, species) 3. Concept of Species: Biological & Evolutionary 4. Introduction to Binomial Nomenclature. 5. Introduction to Five kingdom system.	03	Lecture	Textbook and Reference book
	3	General	1. General characters of Kingdom Animalia,	03	Lecture Method	Text book

		Features of kingdom Animalia	Grades of organization. 2. Symmetry			
	4	Kingdom Protista (Phylum: Protozoa)	1. Introduction to Phylum Protozoa 2. Salient features of Phylum Protozoa 3. Classification of Phylum Protozoa up to classes with two examples of each class Class 1. Rhizopoda 2. Mastigophora 3. Ciliata 4. Sporozoa Locomotion in Protozoa.	03	Lecture Method And PPT	Textbook and ref. book
August	1	Kingdom Protista (Phylum: Protozoa)	Type Study: Paramecium caudatum: Classification, Habit and Habitat, External morphology, Feeding and digestion, Excretion, Reproduction (binary fission and conjugation).	03	Lecture Method	Textbook and e-content.
	2	Kingdom Protista (Phylum: Protozoa)	Economic importance of Protozoa. 1. Harmful Protozoa: Plasmodium vivax (malarial parasite), Entamoeba histolytica (Amoebic dysentery), Trypanosoma gambiense (Gambian sleeping sickness). 2. Useful Protozoa: Trichonympha	03	Lecture Method	Textbook and ref. book
	3	Origin of Metazoa	Introduction Origin and importance of Metazoa.	03	Lecture Method	Textbook and ref. book
	4	Phylum Porifera	1. Introduction to Phylum Porifera 2. Classification of Phylum Porifera up to classes with two examples of each class Class Calcarea Class Hexactinellida Class Demospongiae Introduction to canal system.	03	Lecture Method	Textbook and ref. book
September	1	Phylum Porifera	Canal system in sponges: Ascon, Leucon and Rhagon type.	03	Lecture Method And PPT	Textbook, ref. book and e-content.
	2	Phylum	Skeleton in sponges: Spicules, its types:	03	Lecture Method	Textbook, ref. book and

		Porifera	Microscleres & Megasccleres, Monoaxon – monactinal, diactinal, Amphidiscs, Triaxon, Polyaxon, Spongin fibres		And PPT	e-content.
	3	Phylum Porifera	Regeneration in sponges. Economic importance of Phylum Porifera.	03	Lecture method and PPT	Textbook, ref.book and e-content.
	4	Phylum Cnidaria	1. Introduction to Phylum Cnidaria 2. Salient features of Phylum Cnidaria 3. Classification of Phylum Cnidaria up to class level with given examples each class Class Hydrozoa Class Scyphozoa Class Anthozoa.	03	Lecture method	Textbook, ref.book and e-content.
October	1	Phylum: Cnidaria	Polymorphism in Hydrozoa: Polyps & Medusa (polyp types: gastrozooids, dactylozooids, gonozooids) and functions.	03	Lecture method and PPT	Textbook, ref.book and e-content.
	2	Phylum: Cnidaria	Economic importance of Cnidarians with reference to Corals and Coral reefs.	02	Lecture method	Textbook
	3	Phylum Platyhelminthes	1. Introduction to Phylum Platyhelminthes 2. Salient features of Phylum Platyhelminthes 3. Classification of Phylum Platyhelminthes up to classes with two examples each class Class: Turbellaria Class: Trematoda Class Cestoda	03	Lecture method	Textbook, ref.book
	4	Phylum Platyhelminthes	Parasitic adaptations in Platyhelminthes: structural and physiological. Economic importance of Platyhelminthes	03	Lecture method and PPT	Textbook, ref.book and e-content.
December	1	Phylum Aschelminthes	1. Introduction to phylum Aschelminthes 2. Salient features of Phylum Aschelminthes 3. Classification of Phylum Aschelminthes Class Nematoda:- 1. Ascaris lumbricoides	03	Lecture method and by visual chart	Textbook
	2		2. Wuchereria bancrofti Economic importance of class Nematoda.	02	Lecture method and visual chart.	Textbook and e-contents
	3	Phylum Annelida	1 Introduction to Phylum Annelida 2 Salient features of Phylum Annelida.	02	Lecture method	Textbook
	4		Classification of Phylum Annelida up to	02	Lecture method	Textbook

			classes with examples of following classes Class Polychaeta Class Oligochaeta Class Hirudinea Economic importance of Annelida with reference to earthworms.		and PPT and visual chart.	
January	1	Phylum Arthropoda	1 Introduction to Phylum Arthropoda 2 Salient features of Phylum Arthropoda 3 Classification of Phylum Arthropoda with specific classes with examples Class: Crustacea Class: Chilopoda Class: Diplopoda Class Insecta Class: Arachnida	04	Lecture method	Textbook and e-contents
	2	Phylum Arthropoda	mouth parts in insects: Mandibulate (cockroach), Piercing and sucking (female Anopheles mosquito), chewing and lapping type (honey bee)	02	and PPT and visual chart.	Textbook and ref. book
	3	Phylum Arthropoda	Economic importance of Arthropoda Useful Insects: Honey bee, Lac insect, Silkworm. Harmful insects: Female Anopheles mosquito, Red cotton bug, Rice weevil	03	Lecture method and PPT	Textbook and ref. book
	4	Phylum Mollusca	1 Introduction to Phylum Mollusca 2 Salient features of Phylum Mollusca	02	Lecture method	Textbook and ref. book
February	1	Phylum Mollusca	Classification of Phylum Mollusca with specific classes and mentioned examples Class Gastropoda Class Pelecypoda Class Polyplacophora Class: Cephalopoda Economic importance of Mollusca.	04	Lecture method and PPT	Textbook and ref. book
	2	Study of Phylum Echinodermata	1 Introduction to Phylum Echinodermata 2 Salient features of Phylum Echinodermata.	02	Lecture method	Textbook and ref. book
	3	Study of	Classification of Phylum Echinodermata with	03	Lecture method	Textbook and ref. book

		Phylum Echinodermata	specific classes and mentioned examples Class Asteroidea Class: Holothuroidea. Class: Echinoidea Class: Crinoidea			
	4	Study of Phylum Echinodermata	Type study: Asterias rubens (Sea Star): Classification, Habit Habitat, External Morphology, Digestive system, Water vascular System and autotomy and regeneration	03	Lecture method and visuals charts	Textbook and e-contents
March	1	Study of Phylum Echinodermata	Pedicellaria in Echinodermata: straight, crossed, valvate, tridactylous, globigerous. Economic importance of Echinodermata.	03	Lecture method and PPT	Textbook and ref. book
	2					
	3					
	4					



[Signature]
Subject Teacher

[Signature]
Head
Department of Zoology
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	Department of Zoology Teaching Plan Academic Year: 2020-21	
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Class: F.Y. B.Sc.

Subject: Zoology Paper-II

Name of the Teacher: Dr. P. D. Pulate

Month	Available Week	Title of the Unit	Sub-Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I (Animal Ecology) ZO-112						
June	3	Admissions				
	4	Admissions				
July	1	Introduction to Ecology	Concepts of Ecology, Environment, Population, Community, Ecosystem, Biosphere, Autecology and synecology.	03	Lecture	Textbook/Ref. Book
	2	Ecosystem	Types of ecosystems: Aquatic (Freshwater, estuarine, Marine and terrestrial (Forest, Grassland and Desert)	03	Lecture and PPT	Textbook/Ref. Book
	3		Structure and Composition of Ecosystem (Abiotic components and biotic components.			
	4		Food chain: Detritus and grazing food chains, Food web,	03	Lecture and PPT	Textbook/Ref. Book

			Energy flow through the ecosystem, Ecological pyramids: Number, Biomass, and Energy.			
August	1		Concept of Eutrophication in lakes and rivers.	02	Lecture	Textbook/Ref. Book
	2	Population	Characteristic of population: Density, Natality, Mortality, Fecundity tables, survivorship curves, age ratio, sex ratio, dispersal and dispersion.	04	Lecture and PPT	Textbook/Ref. Book
	3		Exponential and logistic growth,	04	Lecture and PPT	Textbook/Ref. Book
	4		Population regulation – density-dependent and independent factors. Population interactions, Gause's Principle with laboratory and field interactions.	03	Lecture and PPT	Textbook/Ref. Book
September	1		Quadrat, line and belt transect methods	03	Lecture and Field study	Textbook/Ref. Book
	2	Community	Community characteristics: species richness, dominance, diversity,	03	Lecture and PPT	Textbook/Ref. Book
	3		Community characteristics: species abundance, vertical stratification, Eco tone and edge effect	03	Lecture and PPT	Textbook/Ref. Book
	4		Ecological succession with one example	02	Lecture and PPT	Textbook/Ref. Book
October	1	Animal interactions	Introduction to Animal interactions Types of Animal interactions	02	Lecture and PPT	Textbook/Ref. Book
	2		Competition: Interspecific and intraspecific Beneficial Associations: Commensalism (remora fish on shark, Cattle egrets on	02	Lecture and PPT	Textbook/Ref. Book

			liv. (cock), Mutualism (Termite and <i>Trichonympha</i> , bees and flowers, cleaning symbiosis in fish by prawns.			
	3		Antagonistic associations: Parasitism (<i>Ascaris</i> and man, lice and humans), Prey predation (Lion and deer).	01	Lecture and PPT	Textbook/Ref. Book
	4					
December	1	Introduction to Cell biology	Introduction cell biology, Cell as basic unit of life. Importance of Cell Biology and its applications in industry.	03	Lecture	Textbook/Ref. Book
	2		Introduction to Prokaryotic and Eukaryotic cells. Structure and function of Prokaryotic (<i>E. coli</i>) Structure and function of Eukaryotic cells (Animal and Plant Cell)	03	Lecture with bio visual chart	Textbook/Ref. Book
	3	Techniques in Cell Biology	Introduction Microscopy: Basic Principle, Simple, Compound and applications of Electron Microscope.	04	Lecture and PPT	Textbook/Ref. Book
	4		Stains and dyes: Types of Stain: Acidic, basic and neutral. Dye (Preparation and chemistry of dyes not expected) Micrometry.	02	Lecture and PPT	Textbook/Ref. Book
January	1	Plasma Membrane	Introduction Structure of plasma membrane: Fluid mosaic model. Transport across membranes: Active and Passive transport, Facilitated	03	Lecture and PPT	Textbook/Ref. Book

		transport, exocytosis, endocytosis, phagocytosis – vesicles and their importance in transport.				
2		Other functions of Cell membrane in brief Protection, cell recognition, shape, storage, cell signalling. Cell Junctions: Tight junctions, gap junctions, Desmosomes.	03	Lecture and PPT	Textbook/Ref. Book	
3	Nucleus: Structure and function	Introduction to Nucleus Structure of Nucleus: Nuclear envelope, Nuclear pore complex, Nucleoplasm, Nucleolus	04	Lecture with bio visual chart	Textbook/Ref. Book	
4		Chromatin: Eu-chromatin and Hetro-chromatin, nature and differences. Functions of nucleus	02	Lecture and PPT	Textbook/Ref. Book	
February	1	Endomembrane System	Introduction, Structure, Location and Functions: Endoplasmic Reticulum.	03	Lecture with bio visual chart	Textbook/Ref. Book
	2		Golgi apparatus, Lysosomes and vacuoles	03	Lecture with bio visual chart	Textbook/Ref. Book
	3	Mitochondria and Peroxisomes	Introduction Mitochondria: ultrastructure and function of mitochondrion. Peroxisomes	03	Lecture and PPT	Textbook/Ref. Book
	4	Cell Division	Introduction Cell cycle (G1, S, G2, M phases),	02	Lecture and PPT	Textbook/Ref. Book
March	1		Mitosis. Meiosis.	03	Lecture and PPT	Textbook/Ref. Book
	2					

Subject Teacher

Department of Zoology
Arts, Science & Commerce College, Kolhar



Head



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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar

	Department of Zoology Teaching Plan Academic Year: 2020-21	
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Class: S.Y. B.Sc.

Subject: Zoology Paper-I

Name of the Teacher: Dr. P. D. Pulate

Month	Available Week	Title of the Unit	Sub-Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I (Animal Diversity-III) ZO-231						
June	3	Admissions				
	4	Admissions				
July	1	Introduction to Phylum Chordata	Origin & Ancestry of Chordates. Comparative characters of Chordates with Non-Chordates. Salient features of Phylum Chordata. Classification of Phylum Chordata upto classes Pisces, Amphibia, Reptilia, Aves, Mammalia.	03	Lecture	Textbook/Ref. Book
	2	Introduction to Group – Protochordata	Salient features of Protochordata. Salient features of subphyla with two example each - Names only. Hemichordata- <i>Balanoglossus</i> and <i>Rhabdopleura</i> , Urochordata <i>Herdmania</i> and <i>Salpa</i> , Cephalochordata – <i>Branchiostoma</i> (Amphioxus) and <i>Asymmetron</i> .	03	Lecture	Textbook/Ref. Book
	3	Introduction to subphylum –	Salient features of Vertebrata. Introduction and General characters of	03	Lecture and PPT	Textbook/Ref. Book

		Vertebrata	section with two examples - Names only. <i>Agnatha-Petromyzon & Myxine & Gnathostomata-Frog & Labeo.</i>			
	4	Introduction to Class – Pisces	Salient features of Class – Pisces. Class Chondrichthyes– <i>Scoliodon</i> and <i>Chimaera</i> & Osteichthyes- <i>Labeo</i> and <i>Catla</i> , Types of Scales in Fishes, Types of fins.	03	Lecture	Textbook/Ref. Book
August	1	Introduction to Class – Amphibia	Salient features of Class – Amphibia. Introduction to order Apoda– <i>Ichthyophis</i> , Urodela– <i>Salamandra</i> (Salamander) and <i>Annura</i> - <i>Rana</i> . Parental care in Amphibia.	03	Lecture	Textbook/Ref. Book
	2	Study of <i>Scoliodon</i>	Systematic position, Geographical distribution, Habit, Habitat. External characters	03	Lecture and PPT	Textbook/Ref. Book
	3		Digestive System, Food and feeding mechanism. Respiratory System	03	Lecture and Bio visual chart	Textbook/Ref. Book
	4		Respiratory System– Structure of Holobranch only. External Structure of heart.	03	Lecture and PPT	Textbook/Ref. Book
September	1		External & Internal Structure of heart, Working of heart.	03	Lecture and Bio visual chart	Textbook/Ref. Book
	2		Nervous System – Brain only.	03	Lecture and Bio visual chart	Textbook/Ref. Book
	3		Male urinogenital system	03	Lecture and Bio visual chart	
	4		Female reproductive System.	03	Lecture and Bio visual chart	
October	1		Yolk sac placenta.	01	Lecture and PPT	
	2					
	3					
	4					

		class –Reptilia	exam - <i>Chelone, Calotes</i> . Venomous and Non-venomous snakes			
	2		Snake venom, symptoms, effect and cure of snake bite, first aid treatment of snakebite. Desert adaptations in reptiles in brief.	03	Lecture and PPT	Textbook/Ref. Book
	3	Introduction to class –Aves	Salient features of class Aves with two examples (names only) – Sparrow, Parrot. Flight adaptations in birds.	03	Lecture and PPT	Textbook/Ref. Book
	4		Types of Beaks and feet in birds. Migration in birds – Altitudinal, Latitudinal.	03	Lecture and PPT	Textbook/Ref. Book
January	1	Introduction to class - Mammalia.	Salient features of class Mammalia with two examples– Rat, Rabbit. Egg laying mammals.	03	Lecture	Textbook/Ref. Book
	2		Aquatic adaptations in mammals. Flying adaptations in mammals. Cursorial and fossorial adaptation in mammals	03	Lecture	Textbook/Ref. Book
	3	Study of Rat	Systematic position, habit and habitat. External characters.	03	Lecture	Textbook/Ref. Book
	4		Digestive system, food and feeding.	03	Lecture and PPT	Textbook/Ref. Book
February	1		Respiratory system.	03	Lecture and PPT	Textbook/Ref. Book
	2		Blood vascular system – Structure of Heart.	03	Lecture and PPT	Textbook/Ref. Book
	3		Nervous system – Central Nervous system only.	03	Lecture and PPT	Textbook/Ref. Book
	4		Sense organs – Structure and functions of Eye & Ear.	03	Lecture and PPT	Textbook/Ref. Book
March	1		Reproductive system.	03	Lecture and PPT	Textbook/Ref. Book
	2					
	3					
	4					

[Signature]
Subject Teacher

[Signature]
Head
Department of Zoology
Arts, Science & Commerce College, Kolhar



[Signature]
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Department of Zoology
Teaching Plan
Academic Year: 2020-21



Class: S.Y. B.Sc.

Subject: Zoology-II

Name of the Teacher: Miss: Hukare P.M.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester-I Applied Zoology-I, ZO-232						
June	3	Admission				
	4	Admission				
July	1	Sericulture	An introduction to Sericulture, Study of different types of silk moths, their distribution, Taxonomic position and varieties of silk produced in India : Mulberry, Tassar, Eri and Muga silk moths.	03	Lecture Method	Textbook and ref. book
	2	Sericulture	External Morphology and life cycle of Bombyx mori.	02	Lecture Method and visual chart	Textbook and ref. book
	3	Sericulture	Cultivation of mulberry : a) Varieties for cultivation, b) Rain fed and irrigated mulberry cultivation- Fertilizer schedule, Pruning	03	Lecture Method and PPT	Textbook and ref. book

			methods and leaf yield.			
	4	Sericulture	Harvesting of mulberry : a) Leaf plucking, b) Branch cutting, c) Whole shoot cutting.	02	Lecture Method field study	Textbook and ref. book
August	1	Sericulture	Silk worm rearing : a) Varieties for rearing, b) Rearing house, c) Rearing techniques, d) Important diseases and pests.	04	Lecture Method, PPT and field study	Textbook, ref. book and e- content
	2	Sericulture	Preparation of cocoons for marketing	02	Lecture Method and PPT field study	Textbook, ref. book and e- content
	3	Sericulture	Post harvest processing of cocoons : a) Stiffling, sorting, storage, deflossing and riddling, b) Cocoon cooking, reeling equipment and rereeling, washing and polishing.	04	Lecture Method and PPT field study	Textbook, ref. book and e- content
	4	Sericulture	Biotechnological and biomedical applications of silk.	03	Lecture Method and PPT	Textbook, ref. book.
September	1	Agricultural Pests and their control	An introduction to Agricultural Pests, types of pests (agricultural, store grain, veterinary).	02	Lecture Method	Textbook, ref. book.
	2	Agricultural Pests and their control	Major insect pests of agricultural importance (Marks of identification, life cycle, nature of damage and control measures). 06 a) Jowar stem borer,	03	Lecture Method and PPT	Textbook, ref. book and e- content
	3	Agricultural Pests and their control	b) Red cotton bug, c) Brinjal fruit borer, d) Mango stem borer,	03	Lecture Method and PPT	Textbook, ref. book and e- content
	4	Agricultural Pests and their control	e) Blister beetle, f) Rice weevil, g) Pulse beetle, h) Tick.	03	Lecture Method and PPT	Textbook, ref. book and e- content
October	1	Agricultural Pests and their control	Non insect pests: Rats, Crabs, Snails, and Squirrels	03	Lecture Method and PPT	Textbook, ref. book and e- content
	2	Agricultural Pests and	Pest control practices in brief: Cultural control, Physical control,	02	Lecture Method and PPT	Textbook, ref. book and e- content

		their control	Mechanical control, Chemical control, Biological control, Pheromonal control.			
	3	Agricultural Pests and their control	Autocidal control and Concept of IPM in brief.	02	Lecture Method and PPT	Textbook, ref. book and e-content
	4	Agricultural Pests and their control	Plant protection appliances: Shoulder type Rotary duster, Knapsack sprayer, Cynogas Pump.	03	Lecture Method and PPT	Textbook, ref. book and e-content
November	1					
	2					
	3					
	4					
December	1	Apiculture	An introduction to Apiculture, Systematic position, Study of habit, habitat and nesting behaviour of <i>Apis dorsata</i> , <i>Apis indica</i> , <i>Apis florae</i> and <i>Apis mellifera</i> .	03	Lecture Method	Textbook, ref. book and e-content
	2	Apiculture	Life cycle, Colony organization and Division of labour.	03	Lecture Method	Textbook, ref. book
	3	Apiculture	Bee behaviour and communication (Round Dance and Wag-Tail Dance)	03	Lecture Method and PPT	Textbook, ref. book
	4	Apiculture	Bee keeping equipments : a) Bee box (Langstroth type), b) Honey extractor, c) Smoker, d) Bee-veil, e) Gloves, f) Hive tool, g) Bee Brush, h) Queen excluder.	03	Lecture Method and instrument handling.	Textbook, ref. book
January	1	Apiculture	Bee keeping and seasonal management.	03	Lecture Method	Textbook, ref. book
	2	Apiculture	Bee products (composition and uses) a) Honey, b) Wax, c) Bee Venom, d) Propolis, e) Royal jelly, f) Pollen.	03	Lecture Method and PPT	Textbook, ref. book
	3	Apiculture	Diseases and enemies of Bees : a) Bee diseases - Protozoan (<i>Nosema</i>), Bacterial (American foul brood), Viral (Sac	03	Lecture Method and PPT	Textbook, ref. book

		brood), Fuchal (Chalk brood). b) Bee pests - Wax moth (Greater and Lesser), Wax beetle. c) Bee predators - GreenBee eater, King crow, Wasp, Lizard.			
	4	Apiculture	Bee pollination and management of bee colonies for pollination.	03	Lecture Method Textbook, ref. book
February	1	Fisheries	An introduction to fisheries and its types (in brief) : Freshwater fisheries, Marine fisheries, Brackish water fisheries.	02	Lecture Method Textbook, ref. book
	2	Fisheries	Habit, habitat and culture methods of following freshwater forms : a) Rohu (Labeo rohita) , b) Catla (Catla catla) , c) Mrigal (Cirrhinus mrigala).	03	Lecture Method and PPT Textbook, ref. book
	3	Fisheries	Harvesting methods of following marine forms: a) Harpodon, b) Mackerel, c) Pearl oyster.	03	Lecture Method Textbook, ref. book
	4	Fisheries	Crafts and Gears in Indian Fishery a) Crafts – Catamaran, Machwa, Dinghi b) Gears – Gill net, Dol net, Rampani net, Cast net.	03	Lecture Method and PPT
March	1	Fisheries	Fishery byproducts a) Fish meal, b) Fish flour, c) Fish Liver oil, d) Fish manure, e) Fish fin soup.	03	Lecture Method and PPT Textbook, ref. book
	2	Fisheries	Fish preservation technique a) Chilling, b) Freezing, c) Salting, d) Drying, e) Canning.	03	Lecture Method and PPT Textbook, ref. book



Subject Teacher

Head
Department of Zoology
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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar

	Department of Botany Teaching Plan Academic Year: 2021-22	
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Class: FYBSC

Subject: BO 111 Plant Life Utilization I

Name of the Teacher: Dr.P.S. Vikhe

Month	Available Week	Title of the Unit	Sub- TopicDescription	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/ Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/e-content/Guest Faculty/Any other)
Semester – I						
June	3	Admission Process.				
	4					
July	1	CREDIT-I INTRODUCTION	General outline of plant kingdom (Lower Cryptogams : Thallophytes- Algae, Fungi & Lichens; Higher Cryptogams : Bryophytes and Pteridophytes Phanerogams : Gymnosperms and Angiosperms- Dicotyledons and Monocotyledons). Distinguishing characters of these groups and mention few common examples from each.	05	Lecture/PPT	Textbook
		2. ALGAE	2.1: Introduction 2.2: General Characters 2.3: Classification (Bold and Wynne 1978) up to classes with reasons	10	Lecture/PPT	Textbook

	2		2.4: Life Cycle of <i>Spirogyra</i> w.r.t. Habit, Habitat, Structure of thallus, structure of typical cell,		Lecture/PPT	Textbook
	3		Reproduction- Vegetative, Asexual and Sexual, systematic position with reasons		Lecture/PPT	Textbook
	4		2.5: Utilization of Algae in Biofuel Industry, Agriculture, Pharmaceuticals, Food and Fodder		Lecture/PPT	Textbook
August	1	3. LICHENS	3.1: Introduction 3.2: General Characters	4 L	Lecture/PPT	Textbook
	2		3.3: Nature of Association, forms- Crustose, Foliose and Fruticose		Lecture/PPT	Textbook
	3		3.4: Utilization of lichens		Lecture/PPT	Textbook
	4		Test			
September	1	CREDIT-II 4. FUNGI	4.1: Introduction 4.2: General Characters 4.3: Classification (Ainsworth, 1973)	9 L	Lecture/PPT	Textbook
	2		4.4: Life Cycle of Mushroom- <i>Agaricus bisporus</i> w.r.t. Habit, Habitat, Structure of thallus, Structure of Sporocarp, Structure of Gill,		Lecture/PPT	Textbook
	3		Reproduction- Asexual and sexual, Systematic position.		Lecture/PPT	Textbook
	4		4.5: Utilization of Fungi in Industry, Agriculture, Food and Pharmaceuticals		Lecture/PPT	Textbook
October	1	5. BRYOPHYTES	5.1: Introduction 5.2: General Characters 5.3: Classification (G.M. Smith 1955)	6	Lecture/PPT	Textbook
	2		5.4: Life Cycle of <i>Riccia</i> w.r.t. Habit, habitat, external and internal structure of thallus,.		Lecture/PPT	Textbook

	3		Reproduction- vegetative, asexual and sexual- Structure of sex organs, fertilization, structure of mature sporophyte, structure of spore, systematic position with reasons	2	Lecture/PPT	Textbook
	4		5.5: Utilization: Bryophytes as ecological indicators, agriculture, fuel, industry and medicine		Lecture/PPT	Textbook
November	1		University Exam			
	2		University Exam			
	3		Vacation			
Semester – II SEMESTER-II: PAPER-I						
BO-121: PLANT LIFE AND UTILIZATION-II						
December	1	CREDIT-I I 1. INTRODUCTION	Introduction to plant diversity- Gymnosperms and Angiosperms	04	Lecture/PPT	Textbook
	2		Pteridophytes, with reference to vascular plants		Lecture/PPT	Textbook
	3	2. PTERIDOPHYTES	General characters, Outline classification according to Sporne (1976) up to classes with reasons.,	10	Lecture/PPT	Textbook
	4		Life cycle of <i>Nephrolepis</i> w.r.t. Habit, habitat, distribution,		Lecture/PPT	Textbook
January	1		morphology, anatomy of stem and leaf		Lecture/PPT	Textbook
	2		Reproduction – vegetative and sexual.		Lecture/PPT	Textbook
	3	3.	Utilization and economic importance of Pteridophytes	03	Lecture/PPT	Textbook
	4	CREDIT-III. GYMNOSPERMS	General characters, Outline classification according to Sporne (1977) up to classes with reasons	08	Lecture/PPT	Textbook
	1		Life cycle of <i>Cycas</i> w.r.t. Habit, Habitat, Distribution. Morphology and Anatomy of		Lecture/PPT	Textbook

February			Stem, leaf and reproductive organs-			
	2		Male cone, Microsporophyll, microspores and megasporophyll, megaspore; structure of seed;		Lecture/PPT	Textbook
	3		Utilization and economic importance of gymnosperms		Lecture/PPT	Textbook
	4	2. ANGIOSPERMS	: General characters, Outline of classification of Bentham and	05	Lecture/PPT	Textbook
March	1		Hooker's system up to series, comparative account of monocotyledons and dicotyledons		Lecture/PPT	Textbook
	2	3.	Utilization and economic importance of Angiosperms:	05	Lecture/PPT	Textbook
	3		In food, fodder, fibers, horticulture and medicines.		Lecture/PPT	Textbook
	4		Home Assignment, Test			


Signature of the Teacher


HEAD
Department of Botany
Art's, Science & Commerce College,
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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar



Department of Botany
Teaching Plan
Academic Year: 2020-21



Class: FYBSC

Subject: BO 112 (PLANT MORPHOLOGY AND ANATOMY) Name of the Teacher: Ms. Y.S. Sonawane

Month	Available Week	Title of the Unit	Sub-Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/e-content/Guest Faculty/Any other)
Semester-I						
June	3	Admission Process.				
	4					
July	1	CREDIT-I 1. MORPHOLOGY	1.1: Introduction, definition, descriptive and interpretative morphology. 1.2: Importance in identification, nomenclature, classification, phylogeny and plant breeding.	02	Lecture/PPT	Textbook
		2. MORPHOLOGY OF REPRODUCTIVE PARTS: 2.1: INFLORESCENCE	: 2.1.1 Introduction and definition 2.1.2 Types: a) Racemose - Raceme, Spike, Spadix, Corymb, Umbel, Catkin and Capitulum. b) Cymose - Solitary, Monochasial- Helicoid and scorpioid; Dichasial and Polychasial. c) Special types - Verticillaster, Cyathium and Hypanthodium 2.1.3 Significance	03	Lecture/PPT	Textbook
	2	2.2: FLOWER:	2.2.1 Introduction and definition	07	Lecture/PPT	Textbook

August		2.2.2 Parts of a typical flower: Bract, Pedicel, Thalamus- forms, Perianth- Calyx and Corolla, Androeceium and Gynoecium.		Lecture/PPT	Textbook
	4	2.2.3 Symmetry: Actinomorphic and zygomorphic, Sexuality- Unisexual and bisexual, Insertion of floral whorls on thalamus- Hypogyny, Epigyny and perigyny, Merous condition-Trimerous, tetramerous and pentamerous.		Lecture/PPT	textbook
	1	2.2.4 Floral whorls: a) Calyx : Nature- Polysepalous, Gamosepalous; Aestivation- types, Modifications of Calyx- Pappus, Petaloid and Spurred. b) Corolla : Forms of Corolla- i) Polypetalous Cruciform and Papilionaceous. ii) Gamopetalous- Infundibuliform, Bilabiate, Tubular and Campanulate. iii) Aestivation- types and significance. c) Perianth : Nature- Polytepalous, Gamotepalous. d) Androeceium : Structure of typical stamen, Variations- cohesion and adhesion. e) Gynoecium : Structure of typical carpel, number, position, cohesion and adhesion; placentation- types and significance.		Lecture/PPT	Textbook
	2	2.3: FRUITS: 2.3.1 Introduction and definition 2.3.2 Types of fruits: a) Simple: Indehiscent - Achene, Cypsela, Nut and Caryopsis. Dehiscent - Legume, Follicle and Capsule. b) Fleshy: Drpe, Berry, Hesperidium and Pepo. c) Aggregate: Etaerio of Berries and Etaerio of Follicles. d) Multiple fruits: Syconus and Sorosis.	06	Lecture/PPT	Textbook
	3	3. ANATOMY 3.1 Introduction and definition	02	Lecture/PPT	Textbook
	4	3.2 Importance in Taxonomy, Physiology, Ecological interpretations, Pharmacognosy and		Lecture /PPT	textbook

September	1	4. TYPES OF TISSUES:	Wood identification Outline with brief description, simple and complex tissues.	10	Lecture/PPT	Textbook
	2		4.1: Meristmatic tissues: Meristem, characters and types based on origin, position and plane of division, functions.		Lecture/PPT	Textbook
	3		4.2: Permanent tissues: Simple tissues - parenchyma, collenchymas, chlorenchyma and sclerenchyma.		Lecture/PPT	Textbook
	4		4.3: Complex/Vascular tissues: Components of xylem and phloem, types of vascular bundles and functions.		Lecture/PPT	Textbook
October	1	5. INTERNAL ORGANIZATION OF PRIMARY PLANT BODY	4.4: Epidermal tissues: Epidermis, structure of typical stomata, trichomes, motor cells; functions.		Lecture/PPT	Textbook
	2		5.1: Internal structure of dicotyledon and monocotyledon root.	06	Lecture/PPT	Textbook
	3		5.2: Internal structure of dicotyledon and monocotyledon stem		Lecture/PPT	Textbook
	4		5.3: Internal structure of dicotyledon and monocotyledon leaf		Lecture/PPT	Textbook

BO-122: PRINCIPLES OF PLANT SCIENCE

December	1	CREDIT-1: PLANT PHYSIOLOGY AND CELL BIOLOGY	1. Introduction, definition and scope of plant physiology.	01	Lecture/PPT	Textbook
	2		2. Diffusion – definition, importance of diffusion in plants, imbibition as a special type of diffusion.	02	Lecture/PPT	Textbook
	3		3. Osmosis – definition, types of solutions (hypotonic, isotonic, hypertonic), endosmosis, exo-osmosis, osmotic pressure, turgor pressure, wall pressure, importance of osmosis in plants.	02	Lecture/PPT	Textbook
	4		4. Plasmolysis – definition, mechanism and significance.	01	Lecture/PPT	Textbook
January	1		5. Plant growth - introduction, phases of growth, factors affecting growth.	02	Lecture/PPT	Textbook
	2		6. Structure of plant cell, differences between prokaryotic and eukaryotic cell.	02	Lecture/PPT	Textbook
	3		7. Plant cell wall – components of primary cell wall, structure and functions.	03	Lecture/PPT	Textbook

February	4		8. Ultrastructure and functions of chloroplast	02	Lecture/PPT	Textbook
	1		9. Cell cycle in plants- importance of cell cycle in plants, divisional stages of mitosis and meiosis.	03	Lecture/PPT	Textbook
	2	CREDIT-II: MOLECULAR BIOLOGY	1. Introduction and scope of molecular biology, central dogma of molecular biology.	02	Lecture/PPT	Textbook
	3		2. Structure of DNA, nucleoside and nucleotide 3. Watson Crick model of DNA and its characteristic features, types of DNA (A, B and Z DNA)	08	Lecture/PPT	Textbook
	4		4. Types of chromosomes.	02	Lecture/PPT	Textbook
March	1		5. Structure and types of RNA.	03	Lecture/PPT	Textbook
	2		6. DNA replication- Types of replication (conservative, semi-conservative and dispersive), enzymes involved, leading and lagging strands, Okazaki fragments	03	Lecture/PPT	Textbook
	3		Home Assignment			
	4		Test			


Signature of the Teacher


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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar



Department of Botany
Teaching Plan
Academic Year: 2020-21



Class: SYBSC

Subject: BO 232 Plant Physiology


Name of the Teacher: Ms. Y.S. Sonawane

Month	Available Week	Title of the Unit	Sub-Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/e-content/Guest Faculty/Any other)
Semester-I						
June	3	Admission process				
	4					
July	1	Credit I: 1. Introduction to Plant Physiology	Scope and applications of plant physiology	02	Lecture/PPT	Textbook
		2. Absorption of water	2.1 Role of water in plants	03	Lecture/PPT	Textbook
	2		2.2 Mechanisms of water absorption with respect to crop plants		Lecture/PPT	Textbook
	3		2.3 Factors affecting rate of water absorption		Lecture/PPT	Textbook
	4	3. Ascent of sap	3.1 Introduction and definition.	04	Lecture/PPT	Textbook
August	1		3.2 Transpiration pull or cohesion-tension theory, evidences and objections		Lecture/PPT	Textbook
	2		3.3 Factors affecting ascent of sap		Lecture/PPT	Textbook
	3	4. Transpiration	4.1 Definition 4.2 Types of transpiration – cuticular, lenticular	08	Lecture/PPT	Textbook

		and stomatal			
	4				
September	1	4.3 Structure of stomata		Lecture/PPT	Textbook
		4.4 Mechanism of opening and closing of stomata –Steward's hypothesis, active K-transport mechanism		Lecture/PPT	Textbook
		4.5 Factors affecting the rate of transpiration			
		4.6 Significance of transpiration			
	2	4.7 Antitranspirants 4.8 Guttation 4.9 Exudation		Lecture/PPT	Textbook
	3	Credit II: 5. Nitrogen metabolism 5.1 Introduction and role of nitrogen in plants 5.2 Nitrogen fixation by <i>Rhizobium</i> and BGA 5.2.1 Symbiotic nitrogen fixation, nitrogenase enzyme- structure and function 5.2.2 Non-symbiotic nitrogen fixation	08	Lecture/PPT	Textbook
	4	5.3 Importance and production technique of BGA 5.4 Denitrification, ammonification and nitrification 5.5 Reductive amination and transamination		Lecture/PPT	Textbook
October	1	6. Seed dormancy and germination 6.1 Definition, types of seed dormancy and germination 6.2 Methods to break seed dormancy	05	Lecture/PPT	Textbook
	2	6.3 Metabolic changes during seed germination 6.4 Role of phytohormones to improve seed germination 6.5 Vigor Index		Lecture/PPT	Textbook
	3	7. Physiology of flowering 7.2 Phytochrome theory, role of phytohormones in induction and inhibition of flowering	06	Lecture/PPT	Textbook
	4	7.3 Applications of photoperiodism 7.4 Vernalization–concept and definition, mechanism of vernalisation, applications of vernalisation and devernialization		Lecture/PPT	Textbook

December	1	Credit I: Chapter 1 Introduction to Plant Biotechnology	1.1 History and definition 1.2 Scope and importance of plant biotechnology 1.3 Current status of biotechnology in India	03	Lecture/PPT	Textbook
	2	Chapter 2 Plant Tissue Culture	2.1 Concept of plant tissue culture and cellular totipotency 2.2 Basic techniques: Types of culture, Media preparation, sterilization, inoculation, incubation, hardening	09	Lecture/PPT	Textbook
	3		2.3 Applications with reference to: Micropropagation, Somaclonal variation, Haploid production, Protoplast fusion & Somatic hybrids, Embryo rescue, Production of secondary metabolites. 2.4 Commercial Plant Tissue culture laboratories in Maharashtra and India		Lecture/PPT	Textbook
	4	Chapter 3 Single Cell Protein(SCP)	3.1 Concept and definition 3.2 Importance of proteins in diet 3.3 Production of SCP from <i>Spirulina</i> and Yeast 3.4 Importance & acceptability of SCP	05	Lecture/PPT	Textbook
January	1	Credit II: Chapter 4 Plant Genetic Engineering	4.1 Introduction, concept 4.2 Tools of genetic engineering (restriction enzymes, ligases, plasmid vectors)	05	Lecture/PPT	Textbook
	2		4.3 Gene cloning Technique 4.4 Applications of plant genetic engineering: insect pest resistance, abiotic stress tolerance, herbicide resistance		Lecture/PPT	Textbook
	3	Chapter 5 Genomics, Proteomics and Bioinformatics	5.1 Genomics- concept, types, methods used for whole genome sequencing	06	Lecture/PPT	Textbook
	4		5.2 Proteomics-concept, types, methods used in proteome analysis		Lecture/PPT	Textbook



February	1		5.3 Bioinformatics-concept, database and its classification, data retrieval		Lecture/PPT	Textbook
	2	Chapter 6 Bioremediation	6.1 Introduction and concept	03	Lecture/PPT	Textbook
	3		6.2 Microbial remediation		Lecture/PPT	Textbook
	4		6.3 Phytoremediation		Lecture/PPT	Textbook
March	1	Chapter 7 Biofuel technology	7.1 Definition, Concept and types of Renewable and nonrenewable energy sources	05	Lecture/PPT	Textbook
	2		7.2 Definition and concept of Biogas, Bioethanol, Biobutanol, Biodiesel & Biohydrogen		Lecture/PPT	Textbook
	3		Home Assignment			
	4		Test			


Signature of the Teacher


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	Department of Botany Teaching Plan Academic Year: 2021-22	
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Class: SYBSc

Subject: BO221 Taxonomy Of Angiosperm and Plant Ecology

Name of the Teacher: P.S. Vikhe


Month	Available Week	Title of the Unit	Sub- TopicDescription	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Fieldstudy/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/e-content/Guest Faculty/Any other)
Semester - I						
June	3					
	4					
July						
	1	Introduction to Angiosperms Taxonomy	Definition, scope, objectives and importance of taxonomy Exploration, Description, Identification,	02	Lecture/PPT	Textbook
	2		Nomenclature and classificationConcept of Systematics with brief historical background		Lecture/PPT	Textbook
	3					
	4	Study of Plant Families	Study of following families with reference to systematic position (As per Bentham and Hooker's system of classification), salient features, floral formula, floral diagram and any five	10	Lecture/PPT	Textbook

			examples with their economic importance – Annonaceae, Brassicaceae,			
August	1		Myrtaceae, Rubiaceae, Solanaceae		Lecture/PPT	Textbook
	2		Apocynaceae, Nyctaginaceae and Amaryllidaceae		Lecture/PPT	Textbook
	3		Test		Lecture/PPT	Textbook
	4	Botanical Nomenclature	Concept of nomenclature, brief history, Binomial nomenclature International Code for Nomenclature of Algae, Fungi and Plants (ICN)- Principles, Rules and Recommendations	05		
September	1		; 'Type' specimen and its types (Holotype, Paratype, Isotype, Lectotype, Neotype). Concept of Typification. Ranks and endings of taxa names, Coining of Genus and Species names Single, double and multiple authority citations		Lecture/PPT	Textbook
	2	Introduction to ecology	Definition, concept, scope, and interdisciplinary approach, autecology and synecology. Species diversity: definition, concept, scope, and types: Alpha, Beta and Gamma diversity. Methods of vegetation sampling: quadrat method, transect method, plot less method	07	Lecture/PPT	Textbook
	3		Genetic Diversity: definition, nature and origin of genetic variations Species Diversity: definition, origin of species diversity, diversity indices, species abundance		Lecture/PPT	Textbook
	4		Ecosystem Diversity: definition, major ecosystem types of the world, Hotspots in		Lecture/PPT	Textbook

		India	Concept and basis of 'hotspot' identification			
October	1	Ecological grouping of the plants	Ecological grouping of the plants with reference to their significance of adaptive external and internal features: a) Hydrophytes, b) Mesophytes	05	Lecture/PPT	Textbook
	2		c) Xerophytes d) Halophytes with examples.		Lecture/PPT	Textbook
	3		University Exam			
	4					
December	1	Credit-I Plant anatomy Introduction	Definition Scope of plant anatomy	2L	Lecture/PPT	Textbook
	2	Epidermal tissue system	1.1 Structure, types and functions of epidermis 1.2 Structure, types and functions of Stomata	05	Lecture/PPT	Textbook
	3		1.3 Epidermal outgrowths- non-glandular and glandular 1.4 Motor cells		Lecture/PPT	Textbook
	4		1. Mechanical tissue system 1.1 Principles involved in distribution of mechanical tissues with one example each a) Inflexibility, b) Incompressibility, c) Inextensibility and d) Shearing stress Vascular tissue system: Structure and function of xylem, phloem and cambium	05	Lecture/PPT	Textbook

	4	Pollination and Fertilization:	10.1 Introduction and definition 10.2 Types of pollination Germination of pollen grain 10.4 Entry of pollen tube- porogamy, mesogamy and chalazogamy	04	Lecture/PPT	Textbook
March	1		Double fertilization and its significance		Lecture/PPT	Textbook
	2	Endosperm and embryo	10.1 Endosperm: Types – nuclear, helobial and cellular. 10.2 Structure of Dicotyledonous and Monocotyledonous embryo.	03	Lecture/PPT	Textbook
	3				Lecture/PPT	Textbook
	4		Home Assignment, Test			




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Arts, Science and Commerce College, Kolhar

	Department of Botany Teaching Plan Academic Year: 2020-21	
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Class: SYBSC

Subject: Ability Enhancement Compulsory Course (AECC –Environment Studies)

Name of the Teacher: Ms. Y. S. Sonawane

Month	Available Week	Title of the Unit	Sub- TopicDescription	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Fieldstudy/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/e-content/Guest Faculty/Any other)
Semester – I						
June	3	Admission Process.				
	4					
July	1	Unit 1: Introduction to environmental studies	Multidisciplinary nature of environmental studies; components of environment – atmosphere, hydrosphere, lithosphere and biosphere. • Scope and importance; Concept of	08	Lecture/PPT	Textbook

		sustainability and sustainable development.			
	2	Unit 2: Ecosystems • What is an ecosystem?	08	Lecture/PPT	Textbook
	3	Structure and function of ecosystem;		Lecture/PPT	Textbook
	4	Energy flow in an ecosystem: food chain, food web and ecological succession.		Lecture/PPT	Textbook
August	1	Case studies of the following ecosystems: a) Forest ecosystem b) Grassland ecosystem		Lecture/PPT	Textbook
	2	c) Desert ecosystem d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)		Lecture/PPT	Textbook
	3	Unit 3: Natural Resources: Renewable and Non-renewable Resources • Land Resources and land use change; Land degradation, soil erosion and desertification. • Deforestation: Causes and impacts due to mining, dam building on environment, forests,	10	Lecture/PPT	Textbook
	4	biodiversity And tribal populations.		Lecture/PPT	Textbook

			<ul style="list-style-type: none"> • Water: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state). 			
September	1		<ul style="list-style-type: none"> • Heating of earth and circulation of air; air mass formation and precipitation. • Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources, growing energy needs, case studies 		Lecture/PPT	Textbook
	2	Unit 4: Biodiversity and Conservation	<ul style="list-style-type: none"> • Levels of biological diversity :genetic, species and ecosystem diversity; Biogeography zones of India; Biodiversity patterns and global biodiversity hot Spots 	10	Lecture/PPT	Textbook
	3		<ul style="list-style-type: none"> • India as a mega-biodiversity nation; Endangered and endemic species of India 		Lecture/PPT	Textbook
	4		<ul style="list-style-type: none"> • Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity 		Lecture/PPT	Textbook
	1		<ul style="list-style-type: none"> • Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value. 		Lecture/PPT	Textbook

October						
	2		Home assignment, test			
	3		University Exam			
	4		University Exam			
Semester – II SEMESTER-II: Ability Enhancement Compulsory Course (AECC –Environment Studies)						
December	1	Unit 5: Environmental Pollution	• Environmental pollution : types, causes, effects and controls; Air, water, soil, chemical and noise pollution	09	Lecture/PPT	Textbook
	2		• Nuclear hazards and human health risks • Solid waste management: Control measures of urban and industrial waste.		Lecture/PPT	Textbook
	3		• Pollution case studies		Lecture/PPT	Textbook
	4	Unit 6: Environmental Policies & Practices	Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture.	09	Lecture/PPT	Textbook

January	1		<ul style="list-style-type: none"> • Environment Laws : Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act; International agreements; Montreal and Kyoto protocols and conservation on Biological Diversity (CBD). The Chemical Weapons Convention (CWC). 		Lecture/PPT	Textbook
	2		<ul style="list-style-type: none"> • Nature reserves, tribal population and rights, and human, wildlife conflicts in Indian context 		Lecture/PPT	Textbook
	3	Unit 7: Human Communities and the Environment	<ul style="list-style-type: none"> • Human population and growth: Impacts on environment, human health and Welfares 	08	Lecture/PPT	Textbook
	4		<ul style="list-style-type: none"> • Carbon foot-print. • Resettlement and rehabilitation of project affected persons; case studies. 		Lecture/PPT	Textbook
	1		<ul style="list-style-type: none"> • Disaster management: floods, earthquakes, cyclones and landslides. 		Lecture/PPT	Textbook



February	2		• Environmental movements: Chipko, Silent valley, Bishnios of Rajasthan.		Lecture/PPT	Textbook
	3		• Environmental ethics: Role of Indian and other religions and cultures in environmental conservation. • Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi).		Lecture/PPT	Textbook
	4	Unit 8: Field work	• Visit to an area to document environmental assets; river/forest/flora/fauna, etc.	10	Lecture/PPT	Textbook
March	1		• Visit to a local polluted site – Urban/Rural/Industrial/Agricultural		Lecture/PPT	Textbook
	2		• Study of common plants, insects, birds and basic principles of identification.		Lecture/PPT	Textbook
	3		• Study of simple ecosystems-pond, river, Delhi Ridge, etc		Lecture/PPT	Textbook
	4		Home Assignment, Test			


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	Department of Botany Teaching Plan Academic Year: 2021-22	
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Class: SYBSC Subject: Ability Enhancement Compulsory Course (AECC –Environment Studies)


Name of the Teacher: P.S. Vikhe

Month	Available Week	Title of the Unit	Sub-Description	Topic	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I							
June	3	Admission Process.					
	4						
July	1	Introduction to environmental studies	Multidisciplinary nature of environmental studies;		02	Lecture/PPT	Textbook
	2		Scope and importance; Concept of sustainability and sustainable development			Lecture/PPT	Textbook
	3	Ecosystems	What is an ecosystem? Structure		10	Lecture/PPT	Textbook

			A. function Of ecosystem			
	4		Energy flow in an ecosystem: food chains		Lecture/PPT	Textbook
August	1		Food webs And ecological succession. Case studies of the following ecosystems		Lecture/PPT	Textbook
	2		a) Forest ecosystem b) Grassland ecosystem		Lecture/PPT	Textbook
	3		Test			
	4		c) Desert ecosystem d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)		Lecture/PPT	Textbook
September	1	Natural Resources Renewable And Non-- renewable Resources	Land resources And landuse change; Land degradation, soil erosion and desertification.	05	Lecture/PPT	Textbook
	2		Deforestation: Causes and Impacts due To mining, Dam building On environment, forests,		Lecture/PPT	Textbook
	3		Biodiversity and tribal populations		Lecture/PPT	Textbook
	4		Test		Lecture/PPT	Textbook

October	1				Lecture/PPT	Textbook
	2					
	3		University Exam			
	4					
December	1	Environmental Policies & Practices	Climate change, Global warming,	07	Lecture/PPT	Textbook
	2		Ozone layer depletion		Lecture/PPT	Textbook
	3		Acid rain And impacts On human Communities and agriculture		Lecture/PPT	Textbook
	4		Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act;		Lecture/PPT	Textbook
January	1		Water (Prevention And control Of Pollution) Act		Lecture/PPT	Textbook
	2		Wildlife Protection Act;		Lecture/PPT	Textbook
	3		Forest Conservation Act. International agreements: Montreal and		Lecture/PPT	Textbook
	4		Kyoto Protocols and Convention on Biological Diversity (CBD		Lecture/PPT	Textbook
February	1		Nature reserves, Tribal populations An rights, And human wildlife Conflicts in Indian context.		Lecture/PPT	Textbook

	2	Human Communities and the Environment	Human population growth; Impacts on environment, human health and welfare.	05	Lecture/PPT	Textbook
	3		Resettlement And rehabilitation Of project Affected persons; Case studies		Lecture/PPT	Textbook
	4		Disaster management floods, earthquake, cyclones and landslides		Lecture/PPT	Textbook
March	1		Environmental movements		Lecture/PPT	Textbook
	2		Chipko, Silent valley, Bishnois of Rajasthan		Lecture/PPT	Textbook
	3				Lecture/PPT	Textbook
	4		Home Assignment, Test			


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Department of Physics
Teaching Plan
Academic Year: 2020-21



Class: S.Y.B.Sc

**Subject: PHY-231: Mathematical
Methods in Physics-I**

Name of the Teacher: Mr. Pehera B. M.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	1. ComplexNumbers	Introduction to complex numbers, Rectangular, polar and exponential forms of complex numbers, Argand diagram	9	Lecture	Textbook, Reference book
	4		Algebra of complex numbers using Argand diagram		Lecture	Textbook, Reference book
July	1		De-Moivre's Theorem (Statement only), Power, root and log of complex numbers, Trigonometric, hyperbolic and exponential functions		Lecture	Textbook, Reference book
	2		Applications of complex numbers to determine velocity and acceleration in curved motion., Problems..		Lecture	Textbook, Reference book
	3	2. Partial Differentiation	Definition of partial differentiation, Successive differentiation, Total differentiation	9	Lecture	Textbook, Reference book

	4		Product differential, Chain rule		Lecture	Textbook, Reference book
August	1	3. Vector Algebra and Analysis	Theorems of differentiation, Change of variables from Cartesian to polar co-ordinates		Lecture	Textbook, Reference book
	2		Conditions for maxima and minima (without proof), Problems.		Lecture	Textbook, Reference book
	3		Introduction to scalars and vectors, dot product and cross product of two vectors and their physical significance. (Revision)	12	Lecture	Textbook, Reference book
	4		Scalar triple product and its geometrical interpretation, Vector triple product and its proof		Lecture	Textbook, Reference book
September	1		Scalar and vector fields, Differentiation of vectors with respect to scalar, Vector differential operator and Laplacian operator		Lecture	Textbook, Reference book
	2		Gradient of scalar field and its physical significance, Divergence of scalar field and its physical significance		Lecture	Textbook, Reference book
	3		Curl of vector field and its physical significance, Vector Identities.		Lecture	Textbook, Reference book
	4		$\nabla \cdot (\nabla \Phi) = 0$ $\nabla \cdot (\nabla \times \mathbf{A}) = 0$ $\nabla \times (\nabla \Phi) = 0$ $\nabla \times (\nabla \times \mathbf{A}) = \nabla(\nabla \cdot \mathbf{A}) - \nabla^2 \mathbf{A}$ $\nabla \cdot (\nabla \times \mathbf{A}) = 0$ $\nabla \times (\nabla \times \mathbf{A}) = \nabla(\nabla \cdot \mathbf{A}) - \nabla^2 \mathbf{A}$ $\nabla \cdot (\nabla \times \mathbf{A}) = 0$ $\nabla \times (\nabla \times \mathbf{A}) = \nabla(\nabla \cdot \mathbf{A}) - \nabla^2 \mathbf{A}$ Problems.		Lecture	Textbook, Reference book
October	1	4. Differential Equation	Differential Equation, Degree, order, linearity and homogeneity of differential equation	6	Lecture	Textbook, Reference book
	2		Concept of Singular points. Example of singular points ($x = 0$, $x = x_0$ and $x = \infty$) of differential equation. Problems.		Lecture	Textbook, Reference book
	3					

	4					
December	1	1. Undamped Free Oscillations	Different types of equilibria (static, dynamic, stable, unstable, and metastable equilibrium) – definitions only with examples.	7	Lecture	Textbook, Reference book
	2		Definitions of linear Simple Harmonic Motion (S.H.M) and angular S.H.M.		PPT	PPT, Google
	3		Differential equation for linear S.H.M. and it's solution., Composition of two perpendicular linear S.H.Ms. for frequency ratio 1:1 and 2:1 (analytical method).		Lecture	Textbook, Reference book
	4		Lissajous figures, their demonstration (optical and electrical method) and applications, Problems.		PPT	PPT, Google
January	1	2. Damped Oscillations	Introduction, Differential equation for damped harmonic oscillator and it's solution, discussion of different cases.	7	PPT	PPT, Google
	2		Logarithmic decrement., Average energy of damped harmonic oscillator.		Lecture	Textbook, Reference book
	3		Quality factor., Application: LCR series circuit. Problems.		Lecture	Textbook, Reference book
	4	3. Forced Oscillations	Introduction., Differential equation for forced oscillations and it's solution.	6	PPT	PPT, Google
February	1		Resonance – mechanical, acoustic and electrical, Velocity and Amplitude resonance		PPT	PPT, Google
	2		Sharpness of resonance and half width, Average energy of forced oscillator, Quality factor of forced oscillator		Lecture	Textbook, Reference book

March	3		Relation between quality factor and bandwidth, Application of forced oscillations- LCR series circuit. Problems.		Screening of Videos	youtube, swayam, IIT Madras
	4	4. Wave Motion	Introduction. Equation for longitudinal waves and it's solution (one dimension only). Equation for transverse waves and it's solution (one dimension only).	6	Screening of Videos	youtube, swayam, IIT Madras
	1		Energy density and intensity of a wave., Qualitative discussion of seismic waves and gravitational waves., Problems.		PPT	PPT, Google
	2	5. Sound and Doppler Effect	Definition of sound Intensity, Loudness, Pitch, Quality and timbre. Reverberation time and reverberation of hall.	6	Lecture	Textbook, Reference book
	3		Sabine's formula (without derivation). Doppler effect in sound, Expression for apparent frequency in different cases. Asymmetric nature of Doppler effect in sound.		Screening of Videos	youtube, swayam, IIT Madras
	4		Doppler effect in light, Symmetric nature of Doppler effect in light. Applications: Radar, Speed of distant star, Rotational speed of binary star, Red Shift and Width of spectral line. Problems.	s	PPT	PPT, Google

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Department of Physics
Teaching Plan
Academic Year: 2020-21



Class: E.V.B.Sc

**Subject: PHY-111 Mechanics
 and Properties of Matter**

Name of the Teacher: Mr. Phere B.M.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	1. Motion	Introduction to motion	9	Lecture	Textbook, Reference book
	4		Types of motion Displacement		PPT	PPT, Google
	1		Velocity, Acceleration, Inertia		Lecture	Textbook, Reference book
	2		Newton's laws of motion with their explanations		PPT	PPT, Google
July	3		Various types of forces in nature, Frames of reference (Inertial and Non inertial)		PPT	PPT, Google
	4		Laws of motion and it's real life applications, Problems		Screening of Videos	youtube, swayam, IIT Madras
	1		Kinetic energy, Work Energy Theorem		Lecture	Textbook, Reference book
August	2	2. Work and Energy	Work done with constant force, Work done with varying force (spring force)	7	PPT	PPT, Google
	3		Conservative and Non conservative forces, Potential energy		Screening of Videos	youtube, swayam, IIT Madras
	4		Law of energy conservation, Gravitational potential energy, Problems.		Lecture	Textbook, Reference book
	1		Concept of viscous force and viscosity.		Lecture	Textbook, Reference book
September	1	3. Fluid		8		

		Mechanics:	Coefficient of viscosity			
	2		Steady and Turbulent flow, Reynolds number, Equation of continuity		Screening of Videos	youtube, swayam, IIT Madras
	3		Bernoulli's Principle, Applications of Bernoulli's		Lecture	Textbook, Reference book
	4	4. Properties of Matter:	Surface tension, Angle of contact, Factors affecting surface tension	12	Lecture	Textbook, Reference book
October	1		Jaeger's method for determination of surface tension, Applications of surface tension.		Lecture	Textbook, Reference book
	2		Stress and Strain, Hook's law and Coefficient of elasticity, Young's modulus, Bulk modulus		PPT	PPT, Google
	3		Modulus of rigidity, Work done during longitudinal strain, Volume strain, Shearing strain		Lecture	Textbook, Reference book
	4		Poisson's ratio, Relation between three elastic moduli, (Y , η , K), Applications of elasticity, Problems.		Lecture	Textbook, Reference book
December	1	1. Fundamental s of Thermodynamics	Concept of thermodynamic state, Equation of state, Van der Waal's equation of state.	10	Lecture	Textbook, Reference book
	2		Thermal equilibrium, Zeroth law of thermodynamics, Thermodynamic processes: Adiabatic, Isothermal,		PPT	PPT, Google
	3		Isobaric and Isochoric changes, Indicator diagram, Work done during isothermal change		Lecture	Textbook, Reference book
	4		Adiabatic relations, Work done during adiabatic change, Internal energy, Internal energy as state function,		PPT	PPT, Google
January	1		first law of thermodynamics, Reversible and Irreversible changes, Problems.		PPT	PPT, Google
	2	2. Applied Thermodynamics	Conversion of heat into work and its converse	9	Lecture	Textbook, Reference book
	3		Second law of thermodynamics. Concept of entropy, Temperature - entropy		Lecture	Textbook, Reference book

			diagram.			
	4		T-dS equations, Clausius - Clapeyron latent heat equations, Problems.		PPT	PPT,Google
February	1	3. Heat Transfer Mechanisms	Carnot's cycle and Carnot's heat engine and its efficiency,	9	PPT	PPT,Google
	2		Heat Engines: Otto cycle & its efficiency, Diesel cycle & its efficiency,		Lecture	Textbook,Reference book
	3		Refrigerators: General principle and coefficient of performance of refrigerator,		Screening of Videos	youtube. swayam,IIT Madras
	4		Simple structure of Vapour compression refrigerator, Air Conditioning: Principle and it's applications, Problems.		Screening of Videos	youtube. swayam,IIT Madras
March	1	4. Thermometry:	Concept of heat & temperature, Principle of thermometry	8	PPT	PPT,Google
	2		Temperature scales & inter-conversions, Principle, Construction and Working: (Liquid thermometers		Lecture	Textbook,Reference book
	3		Liquid filled thermometers, Gas filled thermometers, Bimetallic thermometers		Screening of Videos	youtube. swayam,IIT Madras
	4		Platinum resistance thermometer, Thermocouple), Problems.		PPT	PPT,Google



Signature of the
Teacher

Head
Department of Physics
Arts, Science and Commerce College, Kolhar



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Pravara Rural Education Society's
Arts, Science and Commerce College, Kolhar

	Department of Mathematics Teaching Plan Academic Year: 2020-21	
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Class: F.Y.B.Sc


Subject: MT- 111 Algebra

Name of the Teacher: Miss .Tambe S. S.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3		Admissions			
	4		Admissions			
July	1	Sets Relations and Functions	Sets, Relations, Equivalence relations, Equivalence classes and partitions of a set	08	Lecture /PPT	Textbook
	2		Functions, Basic terminology, Types of Functions, Inverse of a Function,		Lecture/PPT	Textbook
	3		Composition of Functions (Excluding theorems only examples).		Lecture/PPT	Textbook
	4	Divisibility Theory in the Integers	Mathematical Induction: Well-Ordering Principle	10	Lecture/PPT	Textbook
August	1		The Division Algorithm,		Lecture/PPT	Textbook
	2		The Greatest Common Divisor, Euclid's Lemma,		Lecture/PPT	Textbook
	3		The Least Common Multiple, The Euclidean Algorithm.		Lecture/PPT	Textbook
	4	Primes and the	The Fundamental Number of	8	Lecture/PPT	Textbook

		theory of Congruence	Arithmetic: Prime Numbers, Euclid's Lemma			
September	1		The theory of Congruence: Basic Properties of congruence.		Lecture/PPT	Textbook
	2		Fermat's Theorem		Lecture/PPT	Textbook
	3	Complex Numbers	Sums and Products, Basic Algebraic Properties, Moduli, Complex Conjugates	10	Lecture/PPT	Textbook
	4		Exponential form, Products and Quotients, De-Moivre's theorem.		Lecture/PPT	Textbook
October	1		Roots of Complex Numbers: The nth roots of unity.		Lecture/PPT	Textbook
	2		Regions in Complex Plane		Lecture/PPT	Textbook
	3					
	4					
December	1	Analytical Geometry of Two Dimension	Change of axes: translation and rotation.	10	Lecture/PPT	Textbook
	2		Conic Sections: General equation of second degree in two variables		Lecture/PPT	Textbook
	3		Reduction to standard form, center of conic,		Lecture/PPT	Textbook
	4		nature of conic		Lecture/PPT	Textbook
January	1	Planes	Direction cosines and direction ratios, Equation of plane, Normal form, Transform to the normal form	10	Lecture/PPT	Textbook
	2		Plane passing through three non-collinear points, Intercept form, Angle between two planes		Lecture/PPT	Textbook
	3		Distance of a point from a plane, Distance between parallel planes		Lecture/PPT	Textbook
	4		Systems of planes, two sides of planes, Bisector planes.		Lecture/PPT	Textbook
February	1	Lines in three dimension	Equations of a line in Symmetric and unsymmetrical forms, Line passing through two points,	8	Lecture/PPT	Textbook
	2		Angle between a line and a plane, Perpendicular distance of a point from a plane,		Lecture/PPT	Textbook

March	3		Condition for two lines to be coplanar (without proof).		Lecture/PPT	Textbook
	4	Sphere	Equation of a sphere in different forms, plane section of a sphere.	8	Lecture/PPT	Textbook
	1		Equation of a circle, sphere through a given circle		Lecture/PPT	Textbook
	2		Intersection of a sphere and a line, Equation of tangent plane to sphere		Lecture/PPT	Textbook
	3					
	4					


Signature of the
Teacher


Head
Department of Mathematics
Arts, Science and Commerce College, Kolhar




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Pravara Rural Education Society's
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Department of Mathematics
Teaching Plan
Academic Year: 2019-20



Class: F.Y.B.Sc

Subject: Calculus-I

Name of the Teacher: Miss. Tambe S.S.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3	Admission				
	4	Admission				
July	1	Real Numbers	The Algebraic and Order Properties of \mathbb{R} : Algebraic properties of \mathbb{R} , Order properties of \mathbb{R} , Well-Ordering Property of \mathbb{N} . Arithmetic mean-Geometric mean inequality, Bernoulli's inequality. Absolute Value and the Real Line Absolute value function and its properties, triangle inequality and its consequences, neighborhood of a point on real line.	06	Lecture/PPT	Textbook
	2		The Completeness Property of \mathbb{R} : Definitions of Upper bound, Lower bound, supremum, infimum of subsets of		Lecture/PPT	Textbook

			R, completeness property of \mathbb{R} . Applications of the Supremum Property Archimedean property and its consequences, The density theorem			
	3	Sequences	Sequences and Their Limits: Definition and examples of sequences of real numbers, Definition of limit of sequence and uniqueness of limit, Examples on limit of sequence	10	Lecture/PPT	Textbook
	4		Limits Theorems: Definition of bounded sequence, Every convergent sequence is bounded, Algebra of limits.			
August	1		Monotone Sequences: Definition and examples of monotone sequences, Monotone convergence theorem and examples.		Lecture/PPT	Textbook
	2		Subsequences and Bolzano -Weierstrass Theorem: Definition of subsequence and examples, Divergence criteria, Monotone Subsequence theorem (without proof), Bolzano -Weierstrass theorem (first proof).		Lecture/PPT	Textbook
	3	Limits	Functions and their Graphs Functions, domain and range, graphs of functions, representing a function numerically, Vertical line test, Piecewise defined functions, increasing and decreasing functions, even and odd functions symmetry, common functions	08	Lecture/PPT	Textbook
	4		Limits of Functions: Definition of cluster point and examples, definition of limit of a function, sequential criterion for limits, divergence criteria.		Lecture/PPT	Textbook

			Limit theorems: Algebra of limits (proofs using sequential criterion), Squeeze theorem.			
September	1		Some extension of limit concepts: one-sided limits, infinite limits (without proof).		Lecture/PPT	Textbook
	2	Continuity	Continuous Functions: Definition of continuous function at a point, sequential criterion for continuity	12	Lecture/PPT	Textbook
	3		Divergence criterion, combination of continuous functions.		Lecture/PPT	Textbook
	4		Continuous Functions on Intervals: Properties of continuous functions on an interval, Boundedness theorem (without proof), The minimum -maximum theorem (without proof), Location of root theorem (Without proof)		Lecture/PPT	Textbook
October	1		Bolzano's intermediate value theorem. Continuous function maps closed bounded interval to closed bounded interval, Preservation of interval theorem		Lecture/PPT	Textbook
	2					
	3					
	4					
December	1	Differentiation	The Derivatives: Definition of the derivative of a function at a point, every differentiable function is continuous,	10	Lecture/PPT	Textbook
	2		Rules of differentiation, Caratheodary's theorem (without proof), The chain rule, Derivative of inverse function (without proof, only examples).		Lecture/PPT	Textbook
	3		The Mean Value Theorems: Interior extremum theorem, Mean Value theorems and their Consequences,		Lecture/PPT	Textbook

	4		Interval of increasing and decreasing of a function, first derivative test for extrema		Lecture/PPT	Textbook
January	1	L' Hospital Rule and Successive Differentiation	L'Hospital Rule: Indeterminate forms, L'Hospital Rules (without proof)	10	Lecture/PPT	Textbook
	2		Taylor's theorem: Taylor's theorem and Maclaurin's theorem with Lagrange's form of remainder (Without proof).		Lecture/PPT	Textbook
	3		Successive Differentiation: The nth derivative and Leibnitz theorem for successive differentiation.		Lecture/PPT	Textbook
	4	Ordinary Differential Equations	Linear first order equations	08	Lecture/PPT	Textbook
February	1		Separable equations.		Lecture/PPT	Textbook
	2		Existence and Uniqueness of solutions of nonlinear equations		Lecture/PPT	Textbook
	3	Exact Differential Equations	Transformation of nonlinear equations to separable equations	08	Lecture/PPT	Textbook
	4		Exact differential equations		Lecture/PPT	Textbook
March	1		Integrating factors.		Lecture/PPT	Textbook


Signature of the Teacher


Head
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Department of Mathematics Teaching Plan Academic Year: 2019-20



Class: S.Y.B.Sc

Subject: Calculus of Several
Variables

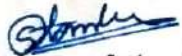
Name of the Teacher: Miss .Tambe S.S.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3					
	4					
July	1	Limits and Continuity	Functions of Several Variables :- Functions of two variables, Domain and Range, Graphs, Level Curves, Functions of Three or More Variables	06	Lecture/PPT	Textbook
	2		Limits and Continuity.		Lecture/PPT	Textbook
	3	Partial Derivatives and Differentiability	Definition and examples. Higher Derivatives,	10	Lecture/PPT	Textbook
	4		Clairaut's Theorem (Statement Only) , Partial Differential		Lecture/PPT	Textbook

			Equation • Wave equation.			
August	1		Differentiable function, Differentials Chain Rule,		Lecture/PPT	Textbook
	2		Homogeneous Functions, Euler's theorem.		Lecture/PPT	Textbook
	3	Extreme Values	Extreme values of functions of two variables.	08	Lecture/PPT	Textbook
	4		Necessary conditions for extreme values		Lecture/PPT	Textbook
September	1		Second Derivative Test (without proof). Lagrange Multipliers (with one constraints)		Lecture/PPT	Textbook
	2	Multiple Integrals	Iterated Integrals, Fubini's Theorem (Statement only)	12	Lecture/PPT	Textbook
	3		. Double integral over general regions Change of order of integration for two variables		Lecture/PPT	Textbook
	4		Double integral in Polar coordinates.		Lecture/PPT	Textbook
October	1		Triple integrals , Evaluation of triple integrals. Triple integrals in spherical coordinates		Lecture/PPT	Textbook
	2		Jacobians , Change of variables in multiple integrals .(Results without proofs)		Lecture/PPT	Textbook
	3					
	4					
November	1					

	2					
	3					
	4					
December	1	Matrices and System of Linear Equations	Row echelon form of a matrix, reduced row echelon form of a matrix. Definition of rank of a matrix using row echelon or row reduced echelon form. System of linear equations- Introduction, matrix form of linear system, definition of row equivalent matrices.	06	Lecture/PPT	Textbook
	2		Consistency of homogeneous and non-homogeneous system of linear equations using rank, condition for consistency. Solution of System of Equations: Gauss elimination and Gauss-Jordan elimination method, examples.		Lecture/PPT	Textbook
	3	Vector Spaces-I	Definition and Examples	08	Lecture/PPT	Textbook
	4		Subspaces.		Lecture/PPT	Textbook
	1		Linear Dependence and Independence		Lecture/PPT	Textbook
January	2		Basis of Vector Space		Lecture/PPT	Textbook
	3	Vector Spaces-II	Dimension of a Vector Space	08	Lecture/PPT	Textbook
	4		Row, Column and Null Space of a matrix.		Lecture/PPT	Textbook

February	1		Rank nullity.		Lecture/PPT	Textbook
	2	Linear Transformations	Definition and Examples, Properties, Equality. Kernel and range of a linear Transformation	12	Lecture/PPT	Textbook
	3		Rank-Nullity theorem. Composite and Inverse Transformation		Lecture/PPT	Textbook
	4		Matrices and Linear Transformation. Basic Matrix Transformations in R_2 and R_3		Lecture/PPT	Textbook
March	1		Linear Isomorphism.		Lecture/PPT	Textbook
	2					
	3					
	4					




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	Department of Mathematics Teaching Plan Academic Year: 2019-20	
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Class: S.Y.B.Sc

**Subject: MT-232(A): Numerical
Methods and It's Applications**

Name of the Teacher: Miss. Tambe S.S.

Month	Available Week	Title of the Unit	Sub- Topic Description	No. of lectures allotted by University	Teaching Method to be adopted (Lecture/PPT/Group Discussion/Role Play/ Field study/Screening of Videos/Any other)	Teaching Source (Textbook/Ref. Book/ e-content/Guest Faculty/Any other)
Semester - I						
June	3					
	4					
July	1	Solution of Algebraic and Transcendental Equations	Errors and their computations	10	Lecture/PPT	Texbook
	2		Bisection method.		Lecture/PPT	Texbook
	3		The method of False position		Lecture/PPT	Texbook
	4		Newton- Raphson method		Lecture/PPT	Texbook
August	1	Interpolation	Finite Difference Operators and their relations (Forward, Backward difference and Shift operator)	12	Lecture/PPT	Texbook
	2		Differences of a polynomial		Lecture/PPT	Texbook
	3		Newton's Interpolation Formulae (Forward and Backward)		Lecture/PPT	Texbook
	4		Lagrange's Interpolation Formula		Lecture/PPT	Texbook
Septemb	1	Numerical	Numerical Differentiation	06	Lecture/PPT	Texbook

er		Differentiation and Integration	(Derivatives using Newton's forward difference formula) Numerical Integration, General quadrature formula. Trapezoidal rule.			
	2		Simpsons's 1/3rd rule. Simpsons's 3/8th rule.		Lecture/PPT	Textbook
	3	Numerical solution of first order ordinary differential equations	Taylor's Series method Picard's method of successive approximations	08	Lecture/PPT	Textbook
	4		Euler's method. Modified Euler's methods		Lecture/PPT	Textbook
October	1		Runge - Kutta Methods.		Lecture/PPT	Textbook
	2					
	3					
	4					
December	1	Vector-Valued Functions	Curves in Space, Limits and Continuity, Derivatives and Motion, Differentiation Rules for Vector Function, Vector Functions of Constant Length.	08	Lecture/PPT	Textbook
	2		Integrals of Vector Functions. Arc Length along a Space Curve, Speed on a Smooth Curve, Unit Tangent Vector.		Lecture/PPT	Textbook
	3		Curvature of a Plane Curve, Circle of Curvature for Plane Curves, Curvature and Normal Vectors for a Space Curve		Lecture/PPT	Textbook
	4	Integrals	Line Integral of Scalar Functions, Additivity, Line integral in the Plane.	12	Lecture/PPT	Textbook
January	1		Vector Fields, Gradient Fields, Line Integral of Vector Fields, Line Integrals with respect to dx , dy , dz .		Lecture/PPT	Textbook
	2		Work done by a Force over a Curve in Space, Flow Integrals and Circulation		Lecture/PPT	Textbook

			for Velocity Fields, Flow across the Simple Closed Plane Curve.			
	3		Path Independence, Conservative and Potential Functions. Divergence, Two forms for Green's Theorem, Green's Theorem in the Plane (Proof for special regions),		Lecture/PPT	Textbook
	4	Surface Integrals	Parameterizations of Surfaces, Implicit surfaces.	08	Lecture/PPT	Textbook
February	1		Surface integrals, Orientation of Surfaces		Lecture/PPT	Textbook
	2		Surface Integrals of Vector Fields		Lecture/PPT	Textbook
	3	Applications of Integrals	The Curl Vector Field, Stokes' Theorem (without proof), Conservative Fields and Stokes' Theorem	08	Lecture/PPT	Textbook
	4		Divergence in three Dimensions, Divergence Theorem (without proof).		Lecture/PPT	Textbook
March	1		Unifying the Integral Theorems.		Lecture/PPT	Textbook
	2					
	3					
	4					


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