Program Outcomes, Program Specific Outcomes and Course Outcomes

Department of English

PROGRAMME: B.A. ENGLISH	
Programme Outcomes	PO-1. Demonstrate an attitude of service and commitment to social Change
	PO-2. Educate students in both the artistry and utility of the English languagethrough the study of literature.
	PO-3. Develop proficiency among students in oral and written communication
	PO-4. Make students able to apply critical and theoretical approaches to the reading and analysis of literary and cultural texts in multiple genres.
	PO-5. Develop creative ability among students.
Program Specific Outcomes	PSO-1. Understand the values of literature in life.
	PSO-2. Appreciate the literary works
	PSO-3. Know the literary theories, terms and concepts in Criticism.
	PSO-4. Attempt creative writings.
	PSO-5. Know phonological and morphological aspects of English.
	PSO-6. Use English effectively in formal and informal situations.
Course Outcomes FYBA (CBCS-2019)	
Compulsory English	CO-1. Students are familiarized students with excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English
	Co-2. Students are exposed them to native cultural experiences and situations in order to develop humane values and social awareness
	Co-3. Development of overall linguistic competence and communicative skills of the students
Optional English (General Paper-I)	CO-1. Students are exposed to the basics of literature and language
	CO-2. Students are familiarized with different types of literature in English, the literary devices and terms so that they understand the literary merit, beauty and creative use of language
	CO-3. Students are exposed the basic units of language so that they become aware of the technical aspects and their practical usage
	CO-4. Students are prepared for a detailed study and understanding of literature and language
	CO-5. Development of an integrated view about language and literature.
SYBA (CBCS-2019)	

Compulsory English (Core Course-CC)	CO-1. To develop language competency among the students for self-Learning
	CO-2 Familiarize the students with the excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English
	CO-3. Develop students' interest in reading literary pieces
	CO-4. Expose students to native cultural experiences and situations in order to develop values and social awareness
	CO-5. Develop overall linguistic competence and communication skills
Skill Enhancement Course (SEC-1A) (Linguistics)	CO-1. To familiarize the students with some advanced units of language so thatthey become aware of the technical aspects and practical usage.
	CO-2. To prepare students for the detailed study and understanding of different aspects and branches of language.
	CO-3. Make students able to use English sounds in isolation and in connected speech effectively.
	CO-4. Make students able to apply linguistic competence in their daily communication.
	CO-5. Improve the written communication of students through understanding of different syntactical elements and structures.
	CO-6. Develop students' integrated view about language and literature
Discipline Specific Course (DSC-1A) (Appreciating Drama)	CO-1. To familiarize the students with the terminology in Drama
	CO-2. To encourage the students to study a few sample masterpieces of English Drama from different parts of the world.
	CO-3. Develop interest among the students to appreciate and analyse drama independently
	CO-4. Enhance students' awareness in the aesthetics of Drama.
Discipline Specific Course (DSC-2A) (Appreciating Poetry)	CO-1. To familiarize the students with different terms in poetry
	CO-2. To encourage the students to study a few sample masterpieces of English poetry
	CO-3. Enhance students' awareness in the aesthetics of poetry and toempower them to read, appreciate and critically evaluate poetry independently.
Skill Enhancement Course (SEC-2A) (Communication Skills)	CO-1. To make students communicate effectively in different contexts
	CO-2. To enable the students to differentiate between verbal and non-verbal communication
	CO-3. To encourage the students to use soft skills in daily communication
	CO-4. Develop interest among the students to use technology for effective communication
	CO-5. Develop overall linguistic competence and communication skills
TYBA (Pattern Regular-2013)	
Compulsory English	CO-1. Students are exposed to the best uses of language in literature.
	CO-2. Students are familiarized the communicative power of English
	CO-3. Competent users of English in real life situations
	CO-4. Students are exposed to varied cultural experiences through literature
	CO-5. Improvement of students communicative and soft skills
General English (G-3)	CO-1. Students are exposed to some of the best samples of Indian English Poetry

	CO-2. To make the students see how Indian English poetry expresses the ethos and culture of India
	CO-3. Students are understand the creative uses of language in Indian English Poetry
	CO-4. Students are familiarized to some advanced areas of language study
	CO-5. To prepare students to go for detailed study and understanding of literature and language
	CO-6. Development of an integrated view about language and literature
Special Paper III (S-3)	CO-1. Students are familiarized to the basics of novel as a literary form
	CO-2. Students are exposed to the historical development and nature of novel
	CO-3. To make students aware of different types and aspects of novel
	CO-4. To develop literary sensibility and sense of cultural diversity in students
	CO-5. Students are exposed to some of the best examples of novel
Special Paper IV(S-4)	CO-1. Students are familiarized to the basics of literary criticism
	CO-2. To make them aware of the nature and historical development of criticism
	CO-3.) To make them familiar with the significant critical approaches and terms
	CO-4. To encourage students to interpret literary works in the light of the critical approaches
	CO-5. Development of critical analysis aptitude
FYBCom (CBCS-2019)	
Compulsory English	CO-1.Students are familiarized with good pieces of prose and poetry so that they realize the beauty and communicative power of English
	CO-2. Students are exposed to the native cultural experiences and situations so that they understand the importance and utility of English language
	CO-3. To develop overall linguistic competence and communicative skills among the students
	CO-4. To develop oral and written communicative skills among the students so that their employability enhances and English becomes the medium of their livelihood and personality
SYBSc (CBCS-2019)	
English	CO-1.To offer students good pieces of prose and poetry so that they realize the beauty and communicative power of English.
	CO-2. To expose them to native cultural experiences and situations so that they understand the importance and utility of English language.
	CO-3. To develop oral and written interview skills among the students so that English becomes the medium of their livelihood.
	CO-4. To develop soft skills among the students to increase employability and create multi-dimentional personality.

Department of Marathi

PROGRAMME: B.A. MARATHI	
अभ्यासक्रमाची गृहितके	राष्ट्रीय शैक्षणिक धोरणांची उद्दिष्टे प्रत्यक्षात आणताना, विद्यार्थीकेंद्री, आंतरविद्याशाखीय, रोजगाराभिमुख, कौशल्याधिष्ठित असे भाषा व साहित्याचे अभ्यासक्रम अनुसरणे, निर्माण करणे आवश्यक आहे.तसेच जीवन कौशल्य विकासासाठी भाषा, साहित्य,कला ही माध्यमे अधिक परिणामकारकतेने समजावूनन घेणे आवश्यक झाले आहे.साहित्यिकक्षमता, भाषिकक्षमता वाढीसाठी, जीवनाच्या आकलनासाठी आणि प्रगल्भतेसाठी विद्यार्थी सिद्ध करणे, ही आजची गरज बनली आहे.
अभ्यासक्रमाची उद्दिष्टे	१. मराठी भाषा, मराठी साहित्य आणि मराठी संस्कृती यांचे अध्ययन करणे.
	२.साहित्यविषयक आकलन,आस्वाद आणि मूल्यमापनक्षमता विकसित करणे.
	३.साहित्याभ्यासातून जीवनविषयक समज विकसित करणे.
	४.मराठी भाषेची उपयोजनात्मक कौशल्य विकसित करणे.
Course Outcomes **FYBA (CBCS-2019)**	
FYBA **General Marathi - (G-1)**	**पहिले सत्र**
	विषयाचे नाव : मराठी साहित्य:कथा आणि भाषिक कौशल्यविकास [CC-1 A)
	१. कथा या साहित्यप्रकाराची ओळख करून देणे.
	२. कथा या साहित्यप्रकाराचे स्वरूप,घटक आणि प्रकार यांची ओळख करून देणे.
	३. विविध साहित्यप्रवाहामधील कथा या साहित्यप्रकारातील निवडक कथाचे अध्ययन करणे.
	४. भाषिक कौशल्यविकास करणे.
	दुसरे सत्र
	विषयाचे नाव : मराठी साहित्य : एकांकिका आणि भाषिक कौशल्यविकास [CC-1 A)
	१. एकांकिका या साहित्यप्रकाराची ओळख करून देणे.
	२. एकांकिका या साहित्यप्रकाराचे स्वरूप, घटक आणि प्रकार यांची ओळख करून देणे.
	३. मराठी साहित्यातील निवडक एकांकिकाचे अध्ययन करणे.
	४. भाषिक कौशल्यविकास करणे.
SYBA (CBCS-2019)	
SYBA **General Marathi -(G-2)**	**पहिले सत्र**
	भाषिक कौशल्यविकास आणि आधुनिक मराठी साहित्यप्रकार : कादंबरी [CC-1 C(3)]
	१. कादंबरी या साहित्यप्रकाराचे स्वरूप, घटक प्रकार आणि वाटचाल समजून घेणे.
	२. नेमलेल्या कादंबरीचे आकलन,आस्वाद आणि विश्लेषण करणे.
	३. भाषिक कौशल्यविकास करणे.
	दुसरे सत्र
	भाषिक कौशल्यविकास आणि आधुनिक मराठी साहित्यप्रकार : ललितगद्य [CC-1 D(3)]
	१. ललितगद्य या साहित्यप्रकाराचे स्वरूप, घटक प्रकार आणि वाटचाल समजून घेणे.
	२. नेमलेल्या अभ्यासपुस्तकातील ललितगद्याचे आकलन,आस्वाद आणि विश्लेषण करणे.
	३. भाषिक कौशल्यविकास करणे.
SYBA **Special Paper-I (S-1)**	**पहिले सत्र**
	आधुनिक मराठी साहित्य : प्रकाशवाटा [DSE 1 A (3)]

	१. आत्मचरित्र या साहित्यप्रकाराचे स्वरूप, संकल्पना समजावून घेणे.
	२. आत्मचरित्र या साहित्यप्रकाराच्या प्रेरणा आणि वाटचाल यांची ओळख करून घेणे.
	३. ललित गद्यातील अन्य साहित्यप्रकारांच्या तुलनेत आत्मचरित्राचे वेगळेपण समजावून घेणे.
	४. नेमलेल्या या आत्मचरित्राचे आकलन, आस्वाद आणि विश्लेषण करणे.
	दुसरे सत्र
	मध्ययुगीन मराठी साहित्य : निवडक मध्ययुगीन गद्य,पद्य [DSE 2 A (3)]
	१. मध्ययुगीन गद्य,पद्य साहित्यप्रकारांची ओळख करून घेणे.
	२. नेमलेल्या अभ्यासपुस्तकातील निवडक मध्ययुगीन गद्य,पद्याचे आकलन,आस्वाद आणि विश्लेषण करणे.
SYBA **Special Paper-II (S-2)**	**पहिले सत्र**
	साहित्यविचार [DSE 1 B (3)]
	१. भारतीय आणि पाश्चात्य साहित्यविचाराच्या आधारे साहित्याची संकल्पना, स्वरूप आणि प्रयोजनविचार समजावून घेणे.
	२. साहित्याची निर्मितिप्रक्रिया समजावून घेणे.
	३. साहित्याची भाषा आणि शैली विषयक विचार समजावून घेणे.
	दुसरे सत्र
	साहित्यसमीक्षा [DSE 2 B (3)]
	१. साहित्य समीक्षेची संकल्पना, स्वरूप यांचा परिचय करून घेणे.
	२. साहित्य आणि समीक्षा यांचे परस्पर संबंध समजावून घेणे व अभ्यासणे.
	३. साहित्यप्रकारानुसार समीक्षेचे स्वरूप समजावून घेणे व अभ्यासणे.
	४. ग्रंथ परिचय, परीक्षण व समीक्षण यातील फरक समजावून घेणे.
SYBA कौशल्याधिष्ठित अभ्यासक्रम	**पहिले सत्र**
	प्रकाशनव्यवहार आणि संपादन |SEC 2A (2)]
	१. प्रकाशनव्यवहार आणि संपादन यासाठी आवश्यक कौशल्ये मिळविणे.
	२. प्रकाशनव्यवहार आणि संपादन यासाठी आवश्यक प्रशिक्षण घेणे.
	३. प्रकाशनव्यवहार आणि संपादन यासाठी प्रात्यक्षिकासह उपयोजनाची कौशल्ये मिळविणे.
	४. प्रकाशन संस्था, जाहिरात संस्था, छापखाने, वृत्तपत्र कार्यालये, वितरण संस्था, ग्रंथ विक्री दुकाने, फ्लेक्स निर्मिती केंद्र, वार्ताहर यांना भेटी देऊन प्रशिक्षण घेणे.
	दुसरे सत्र
	उपयोजित लेखनकौशल्ये | SEC 2 B (2)|
	१. जाहिरात, मुलाखतलेखन आणि संपादन यासाठी आवश्यक कौशल्ये मिळविणे.
	२. जाहिरात, मुलाखतलेखन आणि संपादन यासाठी आवश्यक प्रशिक्षण घेणे.
	३.जाहिरात, मुलाखतलेखन आणि संपादन यासाठी प्रात्यक्षिकासह उपयोजनाची कौशल्ये मिळविणे.
SYBA अनिवार्य अभ्यासक्रम **Modern Indian Languages Syllabus**	**पहिले सत्र**
	मराठी भाषिक संज्ञापनकौशल्ये [MIL 2 (2)]
	१. प्रगत भाषिक कौशल्यांची क्षमता विकसित करणे.
	२. प्रसारमाध्यमांतील संज्ञापनातील स्वरूप आणि स्थान स्पष्ट करणे.
	३. व्यक्तिमत्त्व विकास आणि भाषा यांच्यातील सहसंबंध स्पष्ट करणे.
	४. लोकशाहीतील जीवनव्यवहार आणि प्रसारमाध्यमे यांचे परस्पर संबंध स्पष्ट करणे.
	५. प्रसारमाध्यमांसाठी लेखनक्षमता विकसित करणे.
	दुसरे सत्र
	नवमाध्यमे आणि समाजमाध्यमांसाठी मराठी |MIL 2 (2)]
	१. संज्ञापनातील नवमाध्यमे आणि समाजमाध्यमांचे स्वरूप आणि स्थान स्पष्ट करणे.
	२. भाषा, जीवनव्यवहार आणि नवमाध्यमे, समाजमाध्यमांचे परस्परसंबंध स्पष्ट करणे.

	३. नवमाध्यमे आणि समाजमाध्यमांसाठी लेखनक्षमता विकसित करणे.
	४. नवमाध्यमे आणि समाजमाध्यमांविषयक साक्षरता निर्माण करणे.
	५. नवमाध्यमे आणि समाजमाध्यमांचा वापर आणि परिणाम याबद्दल चर्चा करणे.
TYBA (Pattern Regular- 2013)	
General Marathi (G-3) (आधुनिक मराठी साहित्य आणि व्यावहारिक व उपयोजित मराठी)	१. आधुनिक मराठीसाहित्यातील विविध साहित्यप्रकारांचा परिचय वाढविणे. त्यांचे आकलन करून घेणे.साहित्याबद्दलची अभिरुची विकसित करून कलाकृतींचा आस्वाद घेण्याची क्षमता वाढविणे.
	२. नेमलेल्या कलाकृतींच्या संदर्भात साहित्यपरंपरेचा स्थूल परिचय करून देणे.
	३. भाषेचे यथोचित आकलन करण्याची व वापर करण्याची यथायोग्य क्षमता विकसित करणे.
	४.'निबंध' व 'प्रवासवर्णन' या साहित्यप्रकाराचे तात्विक विवेचन करणे.
	५. विद्यार्थ्यांची वाचन वलेखन क्षमता विकसित करून त्यांना ग्रंथपरीक्षणाची आवड निर्माण व्हावी, यासाठी प्रवृत्त करणे.
Special Paper III (S-3) साहित्यविचार	१.साहित्याचे स्वरूप समजावून घेणे.
	२. साहित्याची प्रयोजने समजावून घेणे.
	३. साहित्याची निर्मितीप्रक्रिया समजावून घेणे.
	४. साहित्याची भाषा समजावून घेणे.
	५. साहित्याची आस्वादप्रक्रिया समजावून घेणे.
	६. साहित्यिक अभिरुची समजावून घेणे.
	७. साहित्य आणि समाज यातील परस्परसंबंध समजावून घेणे.
	८. साहित्य प्रकारांची संकल्पना समजावून घेणे.
	९. वाड:मयीन मूल्ये समजावून घेणे.
Special Paper IV(S-4)	१. भाषेचे स्वरूप व कार्य, भाषेच्या अभ्यासाचे महत्व, भाषेच्या अभ्यासाची प्रमुख अंगे जाणून घेणे.
	२.भाषा म्हणजे काय व तिचे मानवी जीवनातील कार्यव महत्व जाणून घेणे.
	३.स्वननिर्मितीची प्रक्रिया समजावून घेणे.
	४.वागिंद्रीयाची रचना व कार्य समजावून घेणे.
	५.स्वनविज्ञान,स्वनिम संकल्पना आणि मराठीची स्वनिमव्यवस्था जाणून घेणे.
	6.मराठीची रुपिमव्यवस्था समजावून घेणे.
	७.वाक्यविन्यास वअर्थविन्यास या संकल्पनांचा स्कूल परिचय करून घेणे.
	८.ऐतिहासिक भाषाभ्यासपद्धतीचे स्वरूप व महत्त्व लक्षात घेणे. ९.भाषाकुलाची संकल्पना जाणून घेऊन मराठी भाषेच्या उत्पत्तीचा अभ्यास करणे.
	१०.मराठी भाषेच्या वाटचालीचा ऐतिहासिक आढावाघेणे.
FYB Com (Ability Enhancement Course) (CBCS-2019)	
FYBCom Compulsory Marathi	**पहिले/दुसरे सत्र**
	विषयाचे नाव : भाषा, साहित्य आणि कौशल्यविकास [117)
	१. विविध क्षेत्रातील भाषा व्यवहाराची स्वरूप व गरज समजावून देणे.
	२. या व्यवहार क्षेत्रातील मराठी भाषेचे स्थान स्पष्ट करणे व त्यातील मराठीच्या प्रत्यक्ष वापराचा अभ्यास

	करणे.
	३. विविध क्षेत्रीय मराठी भाषेच्या वापराची कौशल्ये विकसित करणे.
	४. विविध लेखनप्रकारांचा अभ्यास व प्रत्यक्ष लेखनाची कौशल्ये वापरण्यास सक्षम करणे.
	५. विविध क्षेत्रातील कर्तुत्ववान व्यक्तींच्या कार्याची व विचारांची ओळख करून देणे.
	६.विद्यार्थ्यांमध्ये नैतिक, व्यवसायिक व वैचारिक मूल्यांची जोपासना करणे.

हिंदी विभाग

पाठ्यक्रम उद्धिष्ट तथा उपलब्धियाँ

अ.क्र.	पाठ्यक्रम तथा विषय	पाठ्यक्रम -उद्धिष्ट	पाठ्यक्रम –उपलब्धियाँ
1	**FYBA Hindi Gen (CBCS-2019)**	**1.** छात्रों को हिंदी गद्य तथा पद्य का परिचय कराते हुए प्रतिनिधि हिंदी रचनाकारों का परिचय देना **2.** हिंदी साहित्य के प्रति छात्रों की रूचि बढ़ाते हुए विभिन्न विधाओं से परिचित कराना **3.** छात्रों में राष्ट्रप्रेम एवं सामाजिक प्रतिबद्धता की भावना विकसित करना। **4.** छात्रों में नैतिक, राष्ट्रीय, सामाजिक तथा वैज्ञानिक मूल्यों के प्रति आस्था जगाना। **5.** पारिभाषिक शब्दावली, पत्रलेखन, अनुवाद, सारांश लेखन, निबंध लेखन तथा वाक्य शुद्धीकरण आदि प्रयोजनीय पक्षों से अवगत कराना।	**1.** छात्र हिंदी गद्य, पद्य, प्रतिनिधि रचनाकारों से परिचित होते हुए उनमें हिंदी साहित्य के प्रति रूचि बढ़ जाती है। वे साहित्य की विधाओं से परिचित होते हैं। **2.** छात्रों में राष्ट्रप्रेम तथा सामाजिक प्रतिबद्धता एवं भावना विकसित होती हैं। वे नैतिक, राष्ट्रीय, सामाजिक एवं वैज्ञानिक मूल्यों के प्रति सचेत होते हैं। **3.** छात्र हिंदी साहित्य के प्रयोजनीय पक्ष से अवगत होते हुए पत्रलेखन, सारांश लेखन, निबंध लेखन आदिल पक्षों से परिचित होते हैं। साथ ही पारिभाषिक शब्दावली, वाक्य शुद्धीकरण एवं अनुवाद आदि प्रयोजनीय हिंदी के रूपों से परिचित हो जाते हैं।
2	**SYBA G-2 (CBCS-2019)**	उद्देश्य 1.छात्रों को काव्य साहित्य से परिचित कराना। 2. छात्रों को कहानी साहित्य से परिचित कराना। 3. छात्रों को हिंदी कारक-व्यवस्था समझाना। 4 शब्द युग्म का अर्थ लिखकर प्रत्यक्ष वाक्य में प्रयोग समझाना। 5 संक्षेपण लेखन का प्रत्यक्ष बोध कराना। 6 सर्जनात्मकता का विकास कराना। 7 छात्रों को व्यंग्य पाठ से परिचित कराना। 8 छात्रों को कहानी व्यंग्य पाठ का बोध कराना। 9 साक्षात्कार कला से अवगत कराना। 10 भाषा का मोबाइल तंत्र समझाना। 11 पल्लवन कला से अवगत करना।	1.छात्र हिंदी के प्रतिनिधि कहानीकार और कवियों से परिचित होने लगता है। 2. हिंदी की कहानी और नई कविता के भाव को समझने लगता है। 3. छात्रों को हिंदी के कार्यालयीन एवं व्यापारी पत्रों का ज्ञान हो जाता है। 4. छात्रों को पारिभाषिक शब्द, विज्ञापन, साक्षात्कार आदी से परीचय होने लगता है। 5. छात्रों को शब्द युग्म का ज्ञान होता है। 6.छात्र व्यंग्य की आवश्यकता और महत्व को समझता है। 7. मोबाईल में भाषा तंत्र का उपयोग एवं लेखन करना समझता है। 8 बोलते समय भाषा में पल्लवन का उपयोग करता है।
3	**SYBA S-1 (CBCS-2019)**	1 भारतीय काव्यशास्त्र का परिचय देना। 2 काव्य परिभाषा तत्व आदि से अवगत कराना। 3 काव्य के तत्व शब्द-शक्तियां का परिचय देना । 4 रस का स्वरूप समझाना। 5 भारतीय काव्यशास्त्र में रुचि पैदा करना तथा आलोचनात्मक दृष्टी को विकसित	1.छात्र भारतीय काव्यशास्त्र से परिचित होता है। 2. छात्र काव्य कि परिभाषा, तत्व आदि का भाषा में समीक्षा करणे लगता है। 3. छात्र अपनी अभिव्यक्ति में शब्द शक्ति का प्रयोग करणे लगता है। 4. छात्र अपनी भाषा में रस ग्रहण करणे लगता है।

		कराना। 6 छात्रों को साहित्य के भेद से अवगत कराना। 7 छात्रों को पद्य भेद से अवगत कराना। 8 महाकाव्य खंडकाव्य और मुक्तक काव्य का परिचय कराना। 9 नाटक का स्वरूप समझाना। 10 छात्रों में नाट्य अभिनय की रुचि विकसित करना।	5. छात्रों की आलोचना कि दृष्टि विकसित होती है। 6. छात्र साहित्य की विविध विधओं से परिचित होकर मनपसंद विधा का चुनाव करता है। 7. छात्र महाकाव्य, खंडकाव्य और मुक्तक काव्य से परिचित होता है। 8. छात्र नाट्य अभिनय कला को आत्मसात करता है।
4	**SYBA S-2 (CBCS-2019)**	1. कबीर के साहित्य का परिचय देना। 2. मीराबाई के काव्य से अवगत कराना। 3. भारतीय उपन्यास की अवधारणा समझाना। 4. उपन्यास कृति का मूल्यांकन कला विकसित करना। 5. साहित्य कृतियों प्रस्तुत जीवनमूल्या को आत्मविस्तृत करना। 6. रहीम के काव्य का बोध कराना। 7. बिहारी की काव्य अभिव्यंजना समझाना। 8. हिंदी नाटक और रंगमंच से अवगत कराना। 9. छात्रों में अभिनय गुण विकसित कराना। 10 नाट्यालोचना से अवगत करना।	1. मध्ययुगीन प्रतिनिधी कवियों के योगदान तथा उनकी वैचारिक पृष्ठ्भूमि से छात्र परिचित हुए। 3. प्रस्तुत पाठ्यक्रम के कारण छात्र मध्ययुगीन संत तथा उनके काव्य संसार से परिचित हो जाते हैं। 4. छात्र हिंदी उपन्यास एवं नाटक विधा के मानदंडों के आधार पर समीक्षा करते हैं। साथ ही हिंदी उपन्यास तथा नाटक के अध्ययन में रुचि निर्माण हुई। 5. विवेच्य साहित्य कृती के माध्यम से छात्र साहित्य के शिल्प तथा सौंदर्य से परिचित हुए। 6. छात्रों में अभिनय कौशल्य विकसित हो जाता है।
5	**SEC 2A (CBCS-2019)**	1 अनुवाद कौशल से छात्रों को अवगत कराना। 2 अनुवाद का स्वरूप समझाना। 3 अनुवाद क्षेत्र से परिचय कराना। 4 हिंदी से मराठी में प्रत्यक्ष्य अनुवाद कार्य कराना। 5 अंग्रेजी से हिंदी, मराठी में अनुवाद कौषल का विकास कराना	1. छात्रों में विविध भाषा में अनुवाद करणे में रुची उत्पन्न हो जाती है। 2. छात्र अनुवाद के विविध क्षेत्र से परिचित होते है। 3. छात्र हिंदी से मराठी में प्रत्यक्ष्य अनुवाद कार्यकार्य से परिचित होता है।
6	**SEC 2A (CBCS-2019)**	1 छात्रों को माध्यम लेखन से परिचत कराना। 2 सृजनात्मक लेखन कौषल विकसित कराना। 3 माध्यम लेखन से अवगत कराना। 4 श्रव्य-दृष्य माध्यमों की भाषा से अवगत कराना।	1 छात्र लेखन मध्य्मोंसे परिचित होता है। 2. छात्र लेखन कौषल के तंत्र से अवगत होता है। 3. छात्र श्रव्य-दृष्य माध्यमों की भाषा से परिचित होता है।

7	**TYBA Hindi S-3 (Pattern Regular-2013)**	१. हिंदी साहित्य के इतिहास की लेखन परंपरा, कालखंडों के नामकरण एवं पृष्ठभूमि का परिचय देना। २. हिंदी साहित्य की प्रतिनिधि रचनाओं और रचनाकारों का महत्व, प्रदेय, पूर्ववर्ती तथा परवर्ती प्रभाव विशद करना। ३. हिंदी साहित्य के विकासक्रम तथा साहित्य के परिवर्तनों के कारणों का परिचय देना। ४. हिंदी साहित्य इतिहास के माध्यम से साहित्य और जीवन-संबंध विषद करना। ५. आधुनिक युग की सामाजिक, राजनीतिक, धार्मिक, साहित्यिक तथाआर्थिक परिस्थितियों के बदलाव के परिपेक्ष्य में हिंदी साहित्य में आए हुए बदलाव से छात्रों को अवगत कराना।	१. छात्र हिंदी साहित्य के इतिहास लेखन की परंपरा, कालविभाजन, नामकरण तथा पृष्ठभूमि से परिचित होते हैं। २.छात्र हिंदी साहित्य की प्रतिनिधि रचनाओं एवं रचनाकारों के योगदान एवं पूर्ववर्ति प्रभाव को समझते हैं। ३.हिंदी साहित्य के विकासक्रम एवं परिवर्तनों के कारणों से छात्र अवगत होते हैं। ४. हिंदी साहित्य के इतिहास के अध्ययन से छात्र साहित्य एवं युगजीवन के संदर्भों को जानने लगते हैं। ५. छात्र आधुनिक युगीन परिस्थितियाँ एवं परिवर्तन के कारण आए बदलाव से परिचित होते हैं।
8	**TYBA Hindi S-4 (Pattern Regular-2013)**	1. छात्रों को काव्य, साहित्य की परिभाषाओं द्वारा काव्य के स्वरूप के साथ काव्य हेतु तथा काव्य के प्रयोजनों का ज्ञान कराना। 2. छात्रों को काव्य के तत्व, काव्य के भेद तथा शब्दषक्ति का ज्ञान कराना। 3. छात्रों को अलंकार, छंदों के स्वरूप के साथ उनका सोदाहरण परिचय कराना। 4. छात्रों को गद्य-भेदों के साथ नाटक, एकांकी और निबंध के स्वरूप एवं तत्वों की जानकारी देना। 5. छात्रों को रस का स्वरूप, रस के अंगों एवं भेदों का परिचय देना। 6 छात्रों को आलोचना का स्वरूप, आलोचना की उपयोगिता और आलोचक के गुणों से परिचित कराना।	1. छात्र काव्य तथा साहित्य की परिभाषा, स्वरूप, काव्य हेतु, काव्य प्रयोजन आदि से परिचित होते हैं। 2. छात्र काव्य के तत्त्व, काव्य के भेद तथा शब्द शक्तियों की बारीकियों से अवगत होते हैं। 3. छात्र अलंकार तथा छंद की परिभाषा, स्वरूप, तथा उसके काव्य में स्थान को जान जाते हैं। 4. छात्र गद्य भेद नाटक, एकांकी, निबंध, उपन्यास आदि के तत्वों तथा विकास प्रक्रिया से अवगत होते हैं **5.** साथ ही रस के स्वरूप, अंग तथा काव्य में रस की अवश्यकता को समझने लगते हैं। **6.** छात्र आलोचना के परिभाषा, स्वरूप, उपयोगिता तथा आलोचक के गुणों परिचित होते हैं।
9	**TYBA Gen-3 (Pattern Regular-2013)**	**1**.छात्रों को हिंदी आत्मकथा विधा हिंदी की दीर्घ कविताकाव्य नाटक के विकास तथा उनके स्वरूप का परिचय देना । **2**.छात्रों को पारिभाषिक शब्द तथासंक्षिप्त यू के माध्यम से कार्यालय में प्रयुक्त की जाने वाली कार्यालयहिंदी से परिचित कराना। 3.छात्रों को सरकारी पत्र लेखन की पद्धति से अवगत कराना । 4.छात्रों को पत्रकारिता के विभिन्न पहलुओं से परिचित कराना । 5.छात्रों में अंग्रेजी से हिंदी में अनुवाद करने की कला को विकसित करना ।	छात्रों को हिंदी आत्मकथा विधा तथा हिंदी की दीर्घ कविता/काव्यनाटक के विकास तथा उनके स्वरुप का परिचय होता है।छात्रों कोपरिभाषिक शब्द तथा संस्कृति ओम के माध्यम से सरकारी ट्रेनें में प्रयुक्त की जाने वाली कार्यालयिन हिंदी से परिचित होता है।छात्र कार्यक्रम संयोजन कौशल्य से परिचित होता है।छात्रों मेंअंग्रेजी से हिंदीमेंअनुवाद कला विकसित होने लगती है
10	**SYBA Gen-2 (CBCS- 2019)**	**1**.छात्रों को हिंदी के प्रतिनिधि कहानीकार एवंकवियों से परिचित कराना। **2**.छात्रों को हिंदी कहानी एवं नई कविता की विशेषताओं के परिचित कराना । **3.** हिंदी के कार्यालय एवं व्यापारिक पत्रों के स्वरुप का ज्ञान देना।	छात्र हिंदी के प्रतिनिधि कहानीकार और कवियों से परिचित होने लगता है ।हिंदी की कहानी और नई कविता के भाव को समझने लगता है।छात्रों को हिंदी के कार्यालय एवं व्यापारिक पत्रों का ज्ञान हो जाता है।छात्रों को पारिभाषिक शब्द विज्ञापन वार्ता साक्षात्कार

		4.छात्रों को पारिभाषिक शब्द विज्ञापन वेट वार्ता साक्षात्कार रिपोर्ट लेखन आदि हिंदी भाषा के व्यवहारिक क्षेत्रों से परिचित कराना। **5**.छात्रों को हिंदी शब्द युग्म का ज्ञान कराना।	आदि से परिचय होने लगता है।छात्रों को शब्द युग्म का ज्ञान होता है।
11	**SYBA Sp-1 (CBCS- 2019)**	**1**.छात्रों कोभाषा की परिभाषा विशेषताएं तथा भाषा के विविध रूपों की जानकारी देना। **2**.छात्रों को हिंदी कीबोलियों तथा भाषा विकास के प्रमुख वादों से परिचित कराना। **3**.छात्रों को राजभाषा हिंदी के संवैधानिकस्वरूपतथा राष्ट्रभाषा का प्रचार करने वाली संस्थाओं से परिचित कराना। **4**.छात्रों में भाषा के वैज्ञानिक अध्ययन कीदृष्टि निर्माण करना। **5.** भाषा विज्ञान के अंगों तथा भाषा विज्ञान की शाखा का परिचय कराना। **6.** भाषा विज्ञान का अन्य विज्ञानों से संबंधविषद करना। **7**.लिपि के स्वरूप एवं उत्पत्ति का इतिहास देवनागरी लिपि की वैज्ञानिकता की जानकारी देना।	छात्रों को भाषा की परिभाषा तथा भाषा के विविध रूपों की जानकारी होती है।हिंदी की बोलियां तथा भाषा विकास के प्रमुख वादों का परिचय हो जाता है।राजभाषा हिंदी के संवैधानिक स्वरूप तथा राष्ट्रभाषा का प्रचार करने वाली संस्थाओं से परिचित होता है।भारतीय वैज्ञानिक अध्ययन की दृष्टिनिर्माण होती है।भाषा विज्ञान के अंगों तथा भाषा विज्ञान की शाखाओं का परिचय होने लगता है।भाषा विज्ञान का अन्य विज्ञानों से संबंध समझ में आता है।लिपि के स्वरूप एवं उत्पत्ति का इतिहास देवनागरी लिपि की वैज्ञानिकता समझती है।
12	**FYBCom (CBCS- 2019)**	**1.** छात्रों को हिंदी के गद्य एवं पद्य की प्रतिनिधि रचना करो का परिचय देना। **2**.हिंदी साहित्य के प्रति छात्रों की रूचि बढ़ाना तथा साहित्य की विविध विधाओं से परिचय कराना । **3**.विधाओं के माध्यम से छात्रों का भावात्मक विकासकराना। **4**.छात्रों में राष्ट्र के प्रति प्रेम एवं सामाजिक प्रतिबद्धता विकसित करना। **5**.राष्ट्रीय एकता, सामाजिक**,** उत्तरदायित्व**,** वैज्ञानिकता के प्रति आदि मूल्यों के प्रति छात्रों का ध्यान आकर्षित करा । **6**.सफल व्यापारी एवं उद्योजक की गुणवत्ता से अवगत कराना । **7**.नैतिक मूल्य**,** राष्ट्रीय मूल्य सामाजिक मूल्यों के प्रति आस्था निर्माण करना। **8**.परिभाषिक शब्दावली के माध्यम से वाणिज्य तथा बैंकों में प्रयुक्त हिंदीशब्दों से परिचित कराना । **9**.पत्र लेखन**,** विज्ञापन लेखन आदि के माध्यम से भाषा के रचनात्मक पहलू से परिचित कराना । **10**.संक्षेपन आदि के माध्यम से विचार क्षमता को बढ़ावा देना।	छात्रों को हिंदी के गद्य एवं पद्य के प्रतिनिधि रचनाकारों का परिचय होता है।हिंदी साहित्य के प्रति छात्रों रुचि बढ़ती है । राष्ट्रीय खेल सामाजिक**,** उत्तरदायित्व**,** वैज्ञानिकता आदि मूल्यों के प्रति जागृति होती है । सफल व्यापारी एवं उद्योजक की गुणवत्ता बढ़ती है।परिभाषिक शब्द के माध्यम से छात्रों को वाणिज्य तथा बैंकों में प्रयुक्त हिंदी शब्द से परिचित होता है।विज्ञापन लेखन आदि के माध्यम से छात्रों को भाषा केरचनात्मक पहलू है।संक्षेपन आदि के माध्यम से छात्रों की विचार क्षमता और कल्पना शक्ति बढ़ती है।

Department of Geography

PROGRAMME: B.A. GEOGRAPHY	
Programme Outcomes	PO-1. The Geographical maturity of students in their current and future courses shall develop.
	PO-2. The student develops theoretical, applied and computational skills
	PO-3. Acquaint the students with the nature of man-environment relationship and human capability to adopt and modify the environment under its varied conditions from primitive life style to the living.
	PO-4. To identify and understand environment the population in terms of their quality and spatial distribution pattern and to comprehend the contemporary issues facing the global community.
Program Specific Outcomes	PSO-1. To acquaint the students with geography of our Nation
	PSO-2. To make the students aware of the magnitude of problems and prospects at National level.
	PSO-3. Help the students to understand the inter relationship between the subject and the society.
	PSO-4. Help the students to understand the recent trends in regional studies.
	PSO-5. Agriculture activities and its relation with Geography
	PSO-6. To enable students to apply previously knowledge in problems and prospects in agriculture.
Course Outcomes **FYBA (CBCS- 2019)**	
Physical and Human Geography (G-1)	CO-1. To introduce the students to the basic concepts in physical geography.
	CO-2. To introduce latest concept in physical geography.
	CO-3. To acquaint the students with the utility and application of physical geography in different regions and environment.
	CO-4 To make the students aware about Earth system (Lithosphere, Atmosphere, Biosphere and Hydrosphere)
SYBA (CBCS- 2019)	
Environmental Geography-I (G1)	CO-1 To create the awareness about dynamic environment among the student.
	CO-2 To acquaint the students with fundamental concepts of environment.
	CO-3 The students should be able to integrate various factors of environment and dynamic aspect of environmental geography.
Geography of Maharashtra-I (S1)	CO-1 To acquaint students with geography of our state.
	CO-2 To make students aware of the magnitude of problems and prospects in Maharashtra.
	CO-3 To help students understand the inter relationship between the subject and the society.

	CO-4 To help students understand the recent trends in regional studies.
Practical Geography-I (Scale and Map Projection (S2)	CO-1 To introduce the basic concepts in practical geography.
	CO-2 To enable students to use various scales and projection techniques in geography.
	CO-3 To acquaint students with the utility of various projections in geographical knowledge.
	CO-4 To explain the elementary and essential of practical work in geography.
	CO-5 Develop practical skill and use of map scale and projection.
	CO-6 To make students aware of the new techniques, accuracy and skills of map making.
SEC-A Applied Course of Travel and Tourism	CO-1 To develop basic framework to understand the various elements of tourism management.
	CO-2 To evaluate the role of transport in travel and tourism industry.
	CO-3 To develop the skill to arrange, manage and implement various types of tours.
	CO-4 Students will be able to perform online as well as offline booking and cancellation procedures for different available modes of travel and tourism.
	CO-5 Students will be able to acquire earning skills in tourism industry.
TYBA (Pattern Regular- 2013)	
Regional Geography of India (G-3)	CO-1. To understand the physical characteristics of India.
	CO-2.To understand the cultural characteristics of India.
	CO-3.To sensitize the students with development issues and policies and programmes designed for regional development.
Population and Settlement Geography (S-3)	CO-1. To provide and understanding of spatial and structural dimensions of population.
	CO-2. To familiarizing the students with global and regional level problems.
	CO-3. To acquaint the students with the spatial, political and structural characteristics of human settlement under varied environmental conditions.
Techniques of Spatial Analysis (S-4)	CO-1. To introduce the students with SOI toposheets and the to acquire the knowledge of toposheet reading/ interpretation.
	CO-2.To familiarize the students with the weather instruments and their applications in geographical phenomena.
	CO-3.To acquaint the students with IMD weather maps and to gain the knowledge of weather map reading/ interpretation.
	CO-4.To train the students in elementary statistics as an essential part of geography.
	CO-5.To awareness about GIS among the students.

Department of Political Science

Bachelor of Art (BA)	
Programme Outcomes	**FYBA- Introduction to Indian Constitution (G-1)**
	PO-1. Students enable to understand the philosophy of Indian constitutions.
	PO- 2. Students enable to understand the various Government of Indian acts their provision andreforms.
	PO- 3. Students enable to know the salient features in making of Indian constitution.
	PO- 4. Students enable to appreciate the fundamental rights and duties and the directive principle ofstate policy Students enable to evaluate the evolution, functioning and consequences of political parties in India.
	PO- 5. Students enable to identify how electoral rules and procedure in India effect electionoutcomes.
	SYBA- Introduction to Political Ideologies (G-2)
	PO- 1. Students enable to understand the nature and scope of political theory.
	PO- 2. Students enable to understand the significance of political theory.
	PO- 3. Students enable to acquaint with the theories, approaches, concepts and principles of politicaltheory.
	PO- 4. Students enable to evaluate the theories of origin of the state.
	TYBA- Local Self Government in Maharashtra (G-3)
	PO- 1. Students enable to explain the Development of Local Self Government in British Era.
	PO- 2. Students enable to understand the contributions of various committees on local government.
	PO- 3. Students enable to describe the features and provisions of Indian Constitutional Amendmentacts regarding Local Government Institutions.
	PO- 4. Students enable to active Political participation and responsible leadership role in thefunctioning of Local Government Institutions.
Course Outcomes F.Y.B.A. (CBCS- 2019)	
FYBA- Introduction to Indian Constitution (G-1)	CO- 1. To acquaint students with the important features of the Constitution of India
	CO- 2. To explain students with the basic framework of Indian government.
	CO- 3. To familiarize students with the working of the Constitution of India.
S.Y.B.A. (CBCS- 2019)	
SYBA- Introduction to Political Ideologies	CO- 1. To explain students with the role of different political ideologies and their impact inpolitics
	CO- 2. To acquaint students with the Close link between an idea and its actual realization inpublic policy

(G-2)	CO- 3. To explain students with the Legacy of all the major ideologies
T.Y.B.A. (Pattern Regular- 2013)	
TYBA - Local Self Government in Maharashtra (G-3)	CO- 1. To introduce the evolution of Local Self Government in Maharashtra.
	CO- 2. To make students aware about 73rd and 74th Constitutional Amendments.
	CO- 3. To introduce the students the structure of Local Self Government.
	CO- 4. To make students aware about composition, power and functions of local bodies.

Department of Economics

Bachelor of Art (BA)		
Programme Outcomes	**PO1.** To provide in depth knowledge of socio-economic aspects.	
	PO2. To familiarize with current and recent developments in Economics	
	PO3. To enrich knowledge through problem solving, hands-on activities projects.	
	PO4. To provide a broad and comprehensive knowledge in micro and macro Economics, Public Economics, Indian Economy and Agricultural Economics.	
	PO5. To develop analytical abilities towards real world problems	
Programme Specific Outcome	**PSO1** After completion of program, students will be able to have in-depth knowledge of basic concepts in Economics.	
	PSO2 A good academic background to be able to seek admission for masters degree in Economics	
	PSO3 An academic background to be able to crack the baning and administrative examinations	
Course Outcomes		
FYBA G-I (CBCS-2019)	**G1- Indian Economy Problems & Prospects**	To make the students known about the various sectors of the economy in detail. To highlight the potential of the Indian economy to study the facts and figures about development.
SYBA[G2] SEM-III/SEM-IV (CBCS-2019)	**Financial System-I/II**	1. To understand fundamentals of modern financial system.
		2. To understand the recent trends and developments in banking system.
		3. To understand the role of the Reserve Bank of India in Indian financial system.
		4. To provide the knowledge of various financial and non financial institutions.
		5. To provide the students the intricacies of Indian financial system for better Financial decision making.
S.Y.B.Com SEM-III/SEM-IV (CBCS-2019)	**Business Economics (Macro)**	1) Understand the basic concepts of Macro Economics and Its application.
		2) Analyze the various concepts of Macro Economic Variables.
		3) Identify various difficulties in National Income Accounting.
		4) Explain the Theories of Output & Employment
		5) Discuss the Concepts of Consumption, Saving & Investment.
TYBA G-III (Pattern Regular-2013)	**G3-Economic Development & Planning**	This paper is devoted to the theories of economics development, approaches to economic development, social and institutional aspects of development, constraints on development process, macroeconomic policies, role of foreign capital and economic planning in developing countries.

Department of History

Course Outcomes

Programs offered

Sr. No.	Program	Program Objectives	Program Specific Objectives
1	**History**	**History** 1. To enable the students to develop Knowledge, Understanding, Critical thinking, Practical skills, Interests and Attitudes relating to historical matters. 2. History aims at helping students to understand the present existing social, political, religious and economic conditions of the people, the development of the past & the religion, customs institutions, administration and soon. 3. History thus helps students to understand the present day problems at regional, national and international level accurately and objectively. This understanding enables students to lead useful and efficient lives. 4. To creates interest as well as affection for reading historical figures, characters, events and facts which are found necessary for solving the present problems effectively. 5. The student would be able to acquire knowledge of various terms, concepts, events, ideals, problems personalities and principles related to the study of history.	1. To introduce innovative study techniques in the study of History *of Maratha to make it value based, conceptual and thought* provocative. To introduce International elements in the study of Marathas to facilitate comparative analysis of this history. To highlight the importance of past in exploration of present context. To understand the Socio –economic, cultural and political background of 17th century Maharashtra. To increase the spirit of healthy Nationalism & Secularism among the student. To encourage student s to for competitive examinations. To promote interest in the discipline of History. Suggesting the Importance of References. 2. The course is designed to help the student to know- History of freedom movement of India, aims, objectives problems and progress of Independent India. It aims at enabling the student to understand the processes of rise of modern India. The Course attempts to acquaint student with fundamental aspects of Modern Indian History. To explain the basic concepts/ concerns/ frame work of Indian History 3. To Survey the sources of History of Ancient India. The Course intends to provide an Understanding of the social, economic, religious and institutional bases of Ancient India. The course will study such as agriculture, Industry, trade. To study the development of the concept of Nation- State background of political history. To study ancient Indian Art & Architecture 4. The purpose of the course is to enable the students to study the history of modern Maharashtra .To highlight the ideas, institutions, forces and movements that contributes to the modern Maharashtra. To acquaint the students with various interpretative perspectives. To introduce the

			student to the regional history within a broad national framework. 5. To help the student to know Modern World. To acquaint the student with the Socio-economic & Political developments in other countries. And understand the contemporary world in the light of its background History. 2. To orient the students with political history of Modern World. 3. To acquaint Students about the main developments in the Contemporary world (To understand to important development in 20th century World.) . Impart knowledge about world concepts. 5. To enable students to understand the economic transition in World during the 20thCentury. 6. Become aware of the principles, forces, processes and problems of the recent times. 7. To acquaint the students with growth of various political movements that haped the modern world. 8. To highlight the rise and growth of nationalism as a movement in different parts of the world. **6.** 1.To orients students about how history is studied, written and understood. 2. To explain methods and tools of data collection 3. To understand the meaning of Evolution of Historiography. 4. To study the Various Views of Historiography. 5. To study the approaches to Historiography. 6. To study the types of Indian Historiography. 7. To describe importance of inter-disciplinary research. 8. To introduce students to the basics of research. 9. To acquaint the student with the recent research in History. 10. Learn how to use sources in their presentation. **7.** To acquaint Students about the rise and development of the USA as a world power. 2. To acquaint Students about the main developments in the Contemporary World 3. To comprehend the socio economic reforms in 1914 –1992. 4. To acquaint the students with the principles of foreign policy. To orient the students with political history of Europe.

Courses offered

Sr. No.	Course	Course Outcomes
1	**B.A History** **History General Paper No. 1** **Chh. Shivaji and His Times (1630 – 1707) (CBCS- 2019)**	Introduce innovative study techniques in the study of History *of Maratha to make* *It value based, conceptual and thought* provocative. Introduce International Elements in the study of Marathas to facilitate comparative analysis of this history. Highlight the importance of past in exploration of present context. Understand the Socio –economic, cultural and political background of 17th century Maharashtra. Increase the spirit of healthy Nationalism & Secularism among the student. Encourage student s to for competitive examinations. promote interest in the Discipline of History. Suggesting the Importance of References.
2.	**S.Y.B.A History** **History General Paper** **History Of Marathas (1630 – 1707)** **(CBCS- 2019)**	Introduce innovative study techniques in the study of History of Maratha to make It value based, conceptual and thought provocative. Introduce International Elements in the study of Marathas to facilitate comparative analysis of this history. Highlight the importance of past in exploration of present context. Understand the Socio –economic, cultural and political background of 17th century Maharashtra. Increase the spirit of healthy Nationalism & Secularism among the student. Encourage student s to for competitive examinations. Promote interest in the Discipline of History. Suggesting the Importance of References.
5	**T.Y.B.A.** **G-3 = HISTORY OF THE WORLD IN 20TH CENTURY (1914-1992)** **(Pattern Regular- 2013)**	1. Help the student to know Modern World. Acquaint the student with the Socio-economic & Political developments in other countries. And understand the contemporary world in the light of its background History. 2. Orient the students with political history of Modern World. 3. Acquaint Students about the main developments in the Contemporary world 4. Impart knowledge about world concepts. 5. Enable students to understand the economic transition in World during the 20thCentury. 6. Become aware of the principles, forces, processes and problems of the recent times.

		7. Acquaint the students with growth of various political movements that helped the modern world. Highlight the rise and growth of nationalism as a movement in different parts of the world.
6.	**T.Y.B.A** **INTRODUCTION TO HISTORY** **LEVEL: S3**	Orient students about how history is studied, written and understood. 2.Explain methods and tools of data collection 3. Understand the meaning of Evolution of Historiography. 4. Study the Various Views of Historiography. 5. Study the approaches to Historiography. 6. Study the types of Indian Historiography. 7. Describe importance of inter-disciplinary research. 8. Introduce students to the basics of research. 9. Acquaint the student with the recent research in History. 10. Learn how to use sources in their presentation.
7.	**T.Y.B.A** **HISTORY OF USA (1914 – 1992)** **LEVEL: S4**	Acquaint Students about the rise and development of the USA as a world power. 2. Acquaint Students about the main developments in the Contemporary World 3. Comprehend the socio economic reforms in 1914 –1992. 4. Acquaint the students with the principles of foreign policy. 5. Orient the students with political history of Europe.

Department of Commerce		
Programme: B.Com		
B.Com	**Programme Outcome**	PO-1 To develop the required knowledge, skills, and attitudes for the handling of Trade, Commerce and Industry.
		PO-2 To meet the growing needs of the business society.
		PO-3 The Commerce education is dedicated to developing tomorrow's leaders, managers, and professionals.
	Programme Specific Outcome	PSO-1 To imparting commerce education needs to be more dynamic to incorporate all local and global changes in the field of trade and commerce.
		PSO-2 To focus on student centric learning methods, which include use of Information and Communication Technology.
		PSO-3 To innovative methods of teaching and learning and emphasis on industry interaction to enable the learners to take up professional challenges more effectively.
Class	**Course**	**Course Outcome**
F.Y. B. Com (CBCS- 2019)	Financial Accounting 112	CO-1 To impart knowledge of basic accounting concepts
		CO-2 To create awareness regarding computerized accounting
		CO-3 To impart knowledge of various software used in accounting
		CO-4 To impart knowledge regarding finalization of accounts of various establishments
	Computer Concepts and Application 114(B)	CO-1 To make the students familiar with Computer environment.
		CO-2 To make the students familiar with the basics of operating System and business communication tools.
		CO-3 To make the students familiar with basics of Network, Internet, and related concepts.
		CO-4 To make awareness among students about applications of Internet in Commerce.
	Banking & Finance (Fundamentals of Banking) 115(B)	CO-1 To provide knowledge of fundamentals of Banking
		CO-2 To create awareness about various banking concepts
		CO-3 To conceptualize banking operations.
	Marketing and Salesmanship (Fundamentals of Marketing)	CO-1 To introduce the basic concepts in Marketing.
		CO-2 To give the insight of the basic knowledge of Market Segmentation and Marketing Mix

	116(C)	CO-3 To impart knowledge on Product and Price Mix.
		CO-4 To establish link between commerce, business and marketing.
		CO-5 To understand the segmentation of markets and Marketing Mix.
	Business Environment and Entrepreneurship 116(E)	CO-1 To understand the concept of Business Environment and its aspects
		CO-2 To make students aware about the Business Environment issues and problems of Growth
		CO-3 To examine personality competencies most common to majority of successful entrepreneurs and to show how these competencies can be developed or acquired
		CO-4 To provide knowledge of the significance of Entrepreneurship in Economy
S.Y. B. Com (CBCS- 2019)	Business Communication 231	CO-1 To understand the concept, process and importance of communication.
		CO-2 To develop awareness regarding new trends in business communication.
		CO-3 To provide knowledge of various media of communication.
		CO-4 To develop business communication skills through the application and exercises.
	Corporate Accounting 232	CO-1 To make aware the students about the conceptual aspect of corporate accounting
		CO-2 To enable the students to develop skills for Computerized Accounting
		CO-3 To enable the students to develop skills about accounting standards
	Business Management 234	CO-1 To provide basic knowledge & understanding about business management concept.
		CO-2 To provide an understanding about various functions of management.
		CO-3 To create awareness among students related to new management concepts.
	Elements of Company Law 235	CO-1 To impart students with the knowledge of fundamentals of Company Law.
		CO-2 To update the knowledge of provisions of the Companies Act of 2013.
		CO-3 To apprise the students of new concepts involving in company law regime.
		CO-4 To impart students the provisions and procedures under company law.

	Banking and Finance 236(B)	CO-1 To create the awareness among the students of Indian banking system.
		CO-2 To enables students to understand the reforms and other developments in the Indian Banking
		CO-3 To provide students insight into the functions and role of Reserve Bank of India.
	Marketing Management 236(H)	CO-1 To orient the students' recent trends in marketing management
		CO-2 To create awareness about marketing of ecofriendly products in the society through students
		CO-3 To inculcate knowledge of various aspects of marketing management through practical approach
		CO-4 To help the students to understand the influences of marketing management on consumer behavior
T. Y. B.Com (Pattern Regular-2013)	Business Regulatory Framework (Mercantile Law) 351	CO-1 To get knowledge about various business-related laws
		CO-2 To acquaint students with the basic concepts, terms & provisions of Mercantile and Business laws
		CO-3 To develop the awareness among the students regarding these laws affecting business, trade and commerce.
	Auditing & Taxation 354	CO-1 To acquaint themselves about the concept and principles of Auditing, Audit process, Assurance Standards, Tax Audit, and Audit of computerized Systems.
		CO-2 To get knowledge about preparation of Audit report.
		CO-3 To understand the basic concepts and to acquire knowledge about Computation of Income, Submission of Income Tax Return, Advance Tax, and Tax deducted at Source, Tax Collection Authorities under the Income Tax Act, 1961.
	Advanced Accounting 352	CO-1 To impart the knowledge of various accounting concepts
		CO-2 To instill the knowledge about accounting procedures, methods, and techniques.
		CO-3 To acquaint them with practical approach to accounts writing by using software package
	Marketing Management Special Paper II	CO-1 To understand the concept and functioning of marketing planning and sales management
		CO-2 To know marketing strategies and

	Subject Name -: Marketing Management. 355(h)	organization
		CO-3 To inform various facets of marketing with regulatory aspects
		CO-4 To understand marketing in globalize scenario
	Marketing Management Special Paper III Subject Name -: Marketing Management. 356(h)	CO-1 To know detailing of Marketing Research
		CO-2 To understand the role Brand and Distribution Management in marketing
		CO-3 To inform about Marketing and Economic Development
		CO-4 To Know of the importance of control on marketing activities
	Banking & Finance Special Paper II Subject Name -: Financial Markets and Institutions in India. 355(B)	CO-1 To acquaint the students with Financial Markets and its various segments.
		CO-2 To give the students and understanding of the operations and developments in financial markets in India.
		CO-3 To enable them to gain an insight into the functioning and role of financial institutions in the Indian Economy.
	Banking and Finance- Special Paper III Banking Law and Practices in India – I 356(b)	CO-1 To familiarize the Banking Laws and Practice in correlation to the Banking System in India.
		CO-2 To understand the legal aspects of Banking transactions and its implication as a Banker and as a customer
		CO-3 To familiarize the students with the Banking Laws and Practices in India.
		CO-4 To make students capable of understanding and applying the legal and practical aspects of banking to help them technically sound in banking parlance.

Programme: M. Com.		
	Programme Outcome	PO-1 To equip and train Post Graduate students to accept the challenges of business world by providing opportunities for study and analysis of advanced commercial and business methods and processes.
		PO-2 To develop independent logical thinking and facilitate personality development.
	Programme Specific Outcome	PSO-1 To acquaint students with significance of research in business.
		PSO-2 To impart skills regarding methods of data collection and their interpretations.
		PSO-3 To develop communication and analytical skills among students.
Class	**Course**	**Course Outcome**
M.Com I Semester I (CBCS- 2019)	Management Accounting 101	PO-1 To enhance the abilities of learners to analyze the financial statements.
		PO-2 To enable the learners to understand, develop and apply the techniques of management accounting in the financial decision making in the business corporate
	Strategic Management 102	PO-1 To introduce the students to the emerging changes in the modern business environment
		PO-2 To develop the analytical, technical and managerial skills of students in the various areas of Business Administration
		PO-3 To empower to students with necessary skill to become effective future managers and leaders
		PO-4 To develop technical skills among the students for designing and developing effective Functional strategies for growth and sustainability of business
	Business Administration Special Paper I Subject Title: - Production & Operation Management 113	PO-1 To understand and develop deep insight of Production & Operation Management.
		PO-2 To understand & identity business problems involving operational function, planning and control, design development and quality management.
	Business Administration Special Paper II Subject Title: - Financial Management 114	PO-1 To acquaint the student with knowledge of various Financial Management terminologies
		PO-2 To understand the concepts relating to Financing & Financial Statement Analysis
		PO-3 To utilize the information gathered to reach an optimum conclusion by a process of reasoning

Semester II (CBCS- 2019)	Financial Analysis & Control 201	PO-1 To enable the students to acquire knowledge of financial analysis and control tools
		PO-2 To Make appropriate application and uses of financial analysis and control
		PO-3 To gain knowledge of practically comparing financial results of different years and different Companies
	Industrial Economics 202 A	PO-1 To provide the knowledge to the students about the basic issues of industrial economics.
		PO-2 To make aware the students about the industrial profile of India and the industrial policy of government of India.
		PO-3 To impart students' knowledge about sources of industrial finance and Indian industrial growth
	Business Ethics & Professional Values 213	PO-1To raise the student's general awareness on the ethical dilemmas at workplace
		PO-2 To investigate whether ethics set any boundaries on competition, marketing, sales and advertising
		PO-3 To prepare students to play a constructive role in improving the sustainable development with which they may become involved
	Elements of Knowledge Management 214	PO-1 To develop Analytical and Research oriented skills among the students.
		PO-2 To promote research and innovation ideas based on Knowledge Management.
		PO-3 To enhance knowledge level and practice of linking theoretical background with applied Social Science.
M.Com II Semester III (CBCS- 2019)	Business Finance 301	PO-1 To acquaint the students with corporate finance required for Indian Industries.
		PO-2 To acquaint the students with corporate finance required for Indian Industries.
		PO-3 To give detail exposure of working capital management practice of finance to students Skills to be developed.
	Research Methodology for Business 302	PO-1 To acquaint the students with the areas of Business Research Activities
		PO-2 To enable students in developing the most appropriate methodology for their research studies
		PO-3 To make them familiar with the art of using different research methods and techniques
	Human Resource Management 313	PO-1To understand the basic concepts of Human Resource Management and changing role of HRM in business.
		PO-2 To expose the students to the concept,

		significance and uses of the concepts like Retirement/ Retrenchment Strategies and Recent Trends in HRM
		PO-3 To understand the E-HR and recent trends in Human Resource management.
	Organisational Behaviour 314	PO-1To make the students understand various concepts of organization behavior
		PO-2 To provide in depth knowledge about process of formation of group behaviour in an organization set up
		PO-3 To understand the concept of stress and conflict and effects of work culture
M.Com-II Semester IV (CBCS- 2019)	Capital Market and Financial Services 401	PO-1To make the students aware about the latest developments in the field of capital market in India.
		PO-2 To enable the students to understand various transactions in stock exchanges and agencies involved in it.
		PO-3 To acquaint the students with working of capital market.
	Industrial Economic Environment 402	PO-1To provide knowledge about basic issues in Industrial Economic Environment to students.
		PO-2 To study the progress and current problems of major industries in India.
		PO-3 To make students aware about Industrial pattern and growth in India and Industrial policies of India since independence.
	Recent Advances in Business Administration 413	PO-1 To familiarize the students with the recent advancements in business administration
		PO-2 To expose the students to the concept, Innovation Management
		PO-3 To impart adequate knowledge and analytical of cross-cultural Management.

Department of Chemistry

BACHELOR OF SCIENCE	
PROGRAMME: B.Sc. Chemistry	
Programme Outcomes	PO-1.Solve the problem and also think methodically, independently & draw logical conclusion.
	PO-2. Use modern techniques ,decentequipments& chemistry software.
	PO-3. Find out the green root for chemical reaction for sustainable development.
	PO-4. Employ critical thinking &specific knowledge to design, carry out, record & analyze results of chemical reactions.
Program Specific Outcomes	PSO-1. Understand good laboratory practices & safety.
	PSO-2. Identify chemical formulae & solve numerical problems.
	PSO-3. To explain nomenclature, stereochemistry, structure, reactivity &mechanisams of chemical reactions.
	PSO-4.. Use modern chemical tools ,models, charts &equipments.
	PSO-5. Gain the knowledge of chemistry through theory &practicals.
	PSO-6. Make aware & handle the sophisticated instruments/ equipments.
Course Outcomes FYBSc (CBCS- 2019)	
Chemistry paper I	CO-1. Developed & understanding of the breadth &concept of physical chemistry.
	Co-2. Application of mathematical tools to calculate thermodynamic &kinetic property.
	Co-3. An understanding of method employ for problem solving in physical chemistry.
Chemistry paper II	CO-1. Understand nuclophile&electrophile group & their properties.
	CO-2. Interpret reactivity of alkane,alkene,alkyne,
	CO-3. Prepare alkane,alkene,alkyne using different method.
	CO-4. Distinguish aliphatic &aromatic halogenated organic compounds.
	CO-5. Design the reaction of aliphatic hydrocarbon.
SYBSc (CBCS- 2019)	
Chemistry paper I	CO-1. To solve problems related to chemical analysis & interprete analytical result.
	CO-2. The derivation of rate equation from mechanistic data.
	CO-3. Discuss factors influencing adsorption, its characteristics, differentiates types as physisorption and Chemisorption.
	CO-4. Discuss different terms related to errors in quantitative analysis.
Chemistry paper II	CO-1. Explain and apply LCAO principle for the formation of MO's from AO's.
	CO-2. Apply MOT to explain bonding in diatomic molecules.
	CO-3.Apply IUPAC nomenclature to coordination compound.
	CO-4Explain /Discuss important reactions of aromatic hydrocarbon.

	CO-5.To correlate reagent and reactions.
Chemistry Paper III	CO-1.Write an expression for the rate constant for Pseudo-unimolecular reaction.
	CO-2.Determine the energy of activation for given reaction
	Co-3.Compare the relative strengths of given acids.
	Co-4.Estimate the amount of Aspirin from given tablet
	Co-5.Determine the type and Nature of the mixture.
TYBSc (Pattern Regular- 2013)	
Chemistry paper I	CO-1. Derive Schrodinger's time dependent & time independent equations.
	CO-2.Solve the cell reaction & calculate E.M.F
	CO-3.Write an expression for the rate constant for third order reaction.
	CO-4.Understand the term specific volume, molar volume & molar refraction.
	CO-5.Know the Redox reaction.
Chemistry paper II	CO-1. Know the shapes of d-orbitals & degeneracy.
	CO-2. Draw the geometrical & optical isomerism of complexes.
	CO-3. Know the meaning of various terms involved in co-ordination chemistry.
	CO-4. Study the Bio-inorganic chemistry.
	CO-5. Understand different operation in stoichiometric molecule.
	CO-6. Study the electronic configuration of lanthanides & actinides.
Chemistry paper III	CO-1. To know about the acid base concept of Arrhenius, Lowry-Bronsted.
	CO-2.Discuss kinetics , mechanism & stereochemistry of SN^1 &SN^2 reactions.
	CO-3.To study UV,IR& NMR spectroscopy.
	CO-4. Understand the difference between carbocation &carbanion.
	CO-5.Discuss different tyes of rearrangement reactions.
Chemistry paper IV	CO-1. Study the methods of thermogravimetric analysis.
	CO-2. Measure the absorbance of atoms by AAS.
	CO-3.To give an extended knowedge about chromatographic techniques.
	CO-4. TO study principle ,construction & working of GC &HPLC
	CO-5. Discuss the problems based on distribution coefficient & extraction techniques.
Chemistry paper V	CO-1. Classify various insecticides .
	CO-2. Study the manufacture of cement ,glass ,dyes, soap &detergents by modern methods.
	CO-3. To study the waste management.
	CO-4. To study the various types of surfactants.
	CO-5. To study different types of polymer.
	CO-6. To know about molasses & bagasse.

Chemistry paper VI	CO-1. Identify relation ship between chemical exposure & effects on physiological system & design strategies.
	CO-2. To know the need of Green chemistry technology.
	CO-3. To know the methods of water purification & waste water treatment plants.
	CO-4. To know importants and conservation of environment.
	CO-5. To know techniques use to monitor hazardous materials present in the environment.
	CO-6. To know the natural resources of energy.

MASTER OF SCIENCE	
PROGRAMME: M.Sc. Analytical Chemistry	
Programme Outcomes	PO-1.To develop a strong footing in the fundamentals and specialize in the disciplines of his/her
	PO-2. To develop in depth understanding of various aspects of the subject
	PO-3. To have deeper understanding of laws of nature through subjects like material science, Nanotechnology, quantum mechanics, Bio-organic Chemistry etc.
	PO-4. The ability of problem solving will be enhanced. Students can apply principles in chemistry to real life problems
Program Specific Outcomes	PSO-1. After completion of program, students will be able to have in-depth knowledge of basic concepts in Chemistry
	PSO-2.Students will be able to apply the laws of Physics in real life situations to solve the problems.
	PSO-3. Students develop the aptitude of doing research by undertaking small projects.
	PSO-4..The student will have set his foundation to pursue higher education in Chemistry.
	PSO-5. After completing the program student will have developed interdisciplinary approach and can pursue higher studies in subjects other than Chemistry.
	PSO-6.
Course Outcomes M. Sc. I (Sem-I) (CBCS- 2019)	
CHP-110	CO-1. Students should understand the concept of thermodynamics
	Co-2. The course aims to provide a fundamental understanding of physical chemistry; students learn the concept of Gibbs and

	Helmholtz energies, Chemical potential, Expressing Chemical equilibrium in terms of chemical potential.
	Co-3. Elements of quantum chemistry, wave particle duality, uncertainty principle, wave function and its interpretation, well behaved functions, orthonormal functions, Schrodinger equation, particle in a box, degeneracy, quantum mechanical harmonic oscillator, and quantum tunnelling are introduced. Co-4. Students are made aware of Chemical kinetics and reaction dynamics topics such as Reversible reactions, the principle of microscopic reversibility, steady state approximation, elucidating mechanism using SSA.
CHI-130	CO-1. Students should visualize in 3 diamention to understand the concept of symmetry
	CO-2. Students are made to understand the symmetry and group theory and use this knowledge to interpret the properties like dipole moment, optical activity, and signals in IR and Raman spectroscopy for structure identification.
	CO-3. Students are also made to understand the periodic trends in properties of S and P block elements and their applications in fields like catalysis, industry, human metabolism
	CO-4. Students should understand the detail chemistry of S & P elements
CHO-150	CO-1. The main intention of this course is to make the students perfect for mechanisms of some basic organic chemistry.
	CO-2. This is a primary course for both organic & Drug Chemistry students.
	CO-3. This course is designed to make students aware of basic organic chemistry, including reaction mechanism, how to write structures of organic molecules more realistically, Stereochemistry of carbon compounds, etc.
CHA-190	CO-1. This course is aimed at providing student necessary guidelines for Safety in Chemical Laboratory and Good Laboratory Practices.
	CO-2. Students get acquainted with different types of hazards at the workplace, use of personal protective and other safety equipment, types of fire extinguishers & method of use.
	CO-3. Inventory Management, Storage and Disposal and importance and principle of Good Laboratory Practices (GLP)
	M. Sc. I (Sem-II) (CBCS- 2019)
CHA-210	CO-1. The course aims to provide an understanding of physical

	chemistry, In this course, the fundamentals of molecular spectroscopy are introduced. Nuclear and radiation Chemistry concepts are introduced.
	CO-2.Students learn basic elements of rotational, vibrational, Raman and electronic spectroscopy.
	CO-3.Students get familiar with Chemical Bonding**:** Valence Bond theory, hybrid orbitals, geometry and hybridization, Molecular Orbital Theory, linear variation method, Approximations underlying Huckel theory, bond order, Aromaticity, Applications of Huckel theory
CHA-230	CO-1. Students are made aware of spectral and magnetic properties of d and f block elements and spectrophotometric analysis of metals like Cr, Mn, Ni and magnetic behavior of various complexes of f block elements in MRI and as TV phosphors.
	CO-2. Students are also made aware of the role of the metal ion in biologically active compounds like Hb, Mb cytochromes and use of anticancer drugs i.e. platinum complexes.
CHA-250	CO-1. The first section of this course is aimed to make students familiar with various basic organic reactions with different examples along with their mechanism.
	CO-2.The second section deals with the basic introduction to various Spectroscopic methods like UV, IR. 1H, 13C-NMR and Mass Spectrometry and their application in structure determination of various organic molecules.
CHA-290	CO-1. Understanding the importance and properties of biomolecules like proteins, carbohydrates, lipids, nucleic acid, etc.
	CO-2. Students get familiarized with cell types, cell organelles, biomembrane for drug transport and fundamental processes like replication, transcription, and translation.
	CO-3. Students learn the scope of biochemistry subject in pharmaceutical sciences.
CH-107 **Physical Chemistry Practical**	CO-1. These techniques will enable them to work as quality control chemist in various labs and such organizations.
	CO-2. Students are trained to use techniques such as pH metry, Conductometry, Potentiometry, Colorimetry, Spectrophotometry, Refractometry, and G. M. Counter.
CH -127 **Inorganic** **Chemistry Practical**	CO-1. Students are trained for the preparation of various solutions, synthesis of various inorganic complexes and their characterization.
	CO-2. The students are trained for the handling of natural materials and their quantitative analysis which involves disintegration, separation and individual estimations.
	CO-3. They are trained to handle various equipment like spectrophotometer, flame photometer, conductometer, etc.

CH- 248 Organic Chemistry Practical	Co.1:Students are trained to different purification techniques in organic chemistry like recrystallization, distillation, steam distillation, and extraction.
	CO.2:Students are made aware of safety techniques and the handling of chemicals.
	CO.3:Students are made aware of carrying out different types of reactions and their workup methods.
MSc-II (Sem-III) (CBCS- 2019)	
CHA-390 Electrochemical and Thermogravimetric Methods of Chemical Analysis	CO-1. Study of coulometry, Faraday law Electroanalysis.
	CO-2. Study of voltametry and paleographic method of analysis, and radio analytical hydrodynamic voltammetry, plus palaeography and cyclic voltammetry. methods of
	CO-3. Study of amperometry and their applications, analysis
	CO-4. Learn radio analytical methods of analysis, activation analysis, isotope dilution analysis, radio metric totration.
CHA-391 Analytical method development and Extraction Techniques	CO-1. To understand assay validation and inter laboratory transfer.
	CO-2. Study the statistical analysis and analytical figure.
	CO-3. Overview of world wide regulations.
	CO-4 Specific methods and applications , Dissolution studies and USP types.
	CO-5 Method development technique and validation specific analyse.
	CO-6 Study extraction techniques in analytical chemistry.
	CO-7. Study the classical approach for aqueous extraction, solid phase extraction, micro extraction and SFE .
CHA-392 Advanced Chromatographic Methods of Analysis	CO-1. Study of Mass Spectroscopy apparatus
	CO-2. Study the fundamentals of Chromatographic methods- Gas Chromatography
	CO-3. Study the application of gas chromatography and mass spectrometry.
	CO-4. Study quantitative analysis by gas liquid chromatography method.

	CO-5. Study the instrumentation of HPLC
	CO-6. Methods of HPLC Reverse, adsorption, Ion Exchange, Size Exclusion and separation of enantiomers.
CHA-393 B Analysis of Food and Controlled Substances	CO-1. Analytical methods use for food analysis.
	CO-2. Study the preparation of sample and total solid analysis.
	CO-3. Analysis of Ash, Lipids and Proteins from Sample.
	CO-4. Study of Food preservatives.
	CO-5. Study the chemical test for narcotic drugs and psychotropic substances.
CHA- Practical I: Basic of Instrumentation Methods of Chemical Analysis	CO-1. To understand various terms involved practical methods of quantitative analysis.
	CO-2. To analyse organic and inorganic materials using appropriate chemicals.
	CO-3. To study basic principals of chemicals and instrumental methods.
	CO-4. To calculate the result and interpret the result
MSc-II (Sem-II) (CBCS- 2019)	
CHO-490 Advanced Analytical spectroscopic Techniques	CO-1. Study of sample preparation techniques.
	CO-2. Atomic Absorption and Emission Spectroscopy method of analysis, its practical applications.
	CO-3. Understand an introduction AFS, AES and MS, its applications.
	CO-4. Study of chemiluminescence, Fluorescence and phosphorescence.
	CO-5. Study of ESR spectroscopy.
	CO-6. Study the electron paramagnetic resonance spectroscopy.

CHO-491 Chemicals Methods of Pharmaceuticals Analysis	CO-1. Study of pharmaceutical dosage from tablet, Oral Liquid and powder for injections.
	CO-2. To study the chemical test, limit test and assay of different material like Heavy metal, Vaccines, Assay of vitamin A etc.
	CO-3. To study the pharmaceutical methods of determination and its applications.
	CO-4. Study of agar diffusion assay, the theory and practice of tube assay, general practical aspects of microbiological assay.
	CO-5. Introduction to pharmaceutical analytical chemistry.
	CO-6. To study the chemical analysis of pharmaceutical ingredient and preparation.
CHA- 492 B Analytical Chemistry of agriculture, Polymer and Detergent	CO-1. Study of analysis of Soil, fertilizer, sampling and sample preparation, kjeldal's method.
	CO-2. Understand the analysis of soap and detergents, UV-spectroscopic analysis of detergent.
	CO-3. Learn the polymer chemistry, analysis and testing ofpolymer, measurement of molecular weight and size.
	CO-4. To understand the analysis of pesticide residue.
CHA-493 A Optional Analytical Chemistry Practical **CHA-494 Applied Analytical Chemistry (Practical II)**	CO-1. To understand various terms involved practical methods of quantitative analysis.
	CO-2. To analyse organic and inorganic materials using appropriate chemicals.
	CO-3. To study basic principles of chemicals and instrumental methods.
	CO-4. To calculate the result and interpret the result.

Department of Botany

PROGRAMME: B. Sc. BOTONY	
Course Outcomes FYBSc (CBCS- 2019)	
Botany I Sem I Plant Diversity	Co -1 Identify the different location of Algae and explain their habitat cell structure, pigment ,resurve food in them. Explain their reproduction types.
	Co-2. Explain different mode of nutrition in fungi classification occurensstruction reproduction life cycle of albugo.
	Co-3. Bryophytes :-Describe the habit habitat reproduction life cycle of riccia. 2) Pteridophytes :-Study of life cycle Nephroiepis .
	Co-4.Gymnosperm: Study of life cycle of cycus.
	Co-5:Angiosperm : Evolution of angiosperm genral characters .
Botony (Paper-I) Sem II Plant morphology&Anatomy	CO-1. Introduction to morphology , Disriptive & interprititive morphology plant breeding ,Botanical nomenclature
	CO-2. Study of vegetative part of plant, Types of root modification ,types of leaf modification , types of stem modification .
	CO-3. Study of reproductive part of plant , Inflorances , Types , Shapes , Placentation, Androecium, Gynoecium, Calyx , Corolla, perianth.
	CO-4. Types of tissues , Simple , complex ,vascular, meristmatic.
	CO-5. To study the internal organistion of plant body .internal structure of dicotyledonroot ,stem , leaf. Internal structure of monocotyledon root, stem, leaf.
SY BSc (CBCS- 2019)	
Botany (Paper I) Sem-I BO-231 Taxonomy of Angiosperms and Plant Ecology	CO-1. Understand the Taxonomy of Angiosperm.
	CO-2. Classify the Angiosperm plants.
	CO-3. Gain the knowledge about Plant families and plant nomenclature.
	CO-4. Describe the plant ecology.
Botany (Paper-II) Sem-I BO-232 Plant Physiology	1.Gain the Knowledge of Plant Physiology scope and Importance.
	2. Understand the concept of Transpiration Ascent of sap.
	3. Describe the Nitrogen metabolism.
	4. Get aware about physiology of flowering and seed germination.
Botany (Paper-III) Sem-I BO-233 Practical based on BO-231 & BO-232	1. Gain the practical knowledge of Taxonomic tools ecological instrument plant families.
	2. Understand the internal morphology of hydrophytes and xerophytes.
	3. Analysed the different test, processes of plant physiology.
	4. Gain the practical knowledge about seed germination, Transpiration DPD.
Botany (Paper I) Sem-II BO-241 Plant Anatomy and Embryology	1. Understand the scope and importance of plant Anatomy.
	2. Classify the different types of tissue systems.
	3. Gain the knowledge about growth of plants.
	4. Describe the different processes in embryology.
Botany (Paper II) Sem-II BO-242 Plant Biotechnology	1. Understand the scope and importance of plant biotechnology.
	2. Gain the knowledge about Plant tissue culture and single cell protein.
	3. Understand the plant genetic Engineering, Genomics, Proteomics and

	Bioinformatics.
	4. Describe the Bioremediation and Biofuel technology.
Botany (Paper III) Sem-II BO-243 Practical based on BO-241 & BO-242	1. Gain the practical knowledge of plant anatomy.
	2. Understand the practical technique of double stained temporary preparation of plant stem.
	3. Understand the working principle of tissue culture lab instrument.
	4. Gain basic practical knowledge of plant tissue culture, Transgenic plants, *Spirulina* cultivation.
SYBSc Environment Studies Course Outcome (CBCS- 2019)	
SYBSc Semester I Environment Studies	1. Understand the multidisciplinary nature of environment studies.
	2. Gain the knowledge about Ecosystem.
	3. Aware about the natural resources
	4. Describe the Biodiversity and its conservation.
SYBSc Semester I Environment Studies	1. Understand the Environmental Pollution.
	2. Gain the knowledge about Environmental Policies and Practices.
	3. Describe the human communities and Environment.
	4. Understand the basic concept of environment by field visit.

Department of Zoology

Course Outcomes FYB Sc (CBCS- 2019)	
Paper I ZY-111 & ZY-121 (Animal Diversity I & II)	CO-1. The student will be able to understand classify and identify the diversity of animals.
	Co-2. The student understands the importance of classification of animals and classifies them effectively using the six levels of classification.
	Co-3. The student knows his role in nature as a protector, preserver and promoter of life which he has achieved by learning, observing and understanding life.
Paper II ZY-112 (Animal Ecology)	CO-1. The learners will be able to identify and critically evaluate their own beliefs, values and actions in relation to professional and societal standards of ethics and its impact on ecosystem and biosphere due to the dynamics in population.
	CO-2. To understand anticipate, analyse and evaluate natural resource issues and act on a lifestyle that conserves nature.
	CO-3. The Learner understands and appreciates the diversity of ecosystems and applies beyond the syllabi to understand the local lifestyle and problems of the community.
	CO-4. The learner will be able to link the intricacies of food chains, food webs and link it with human life for its betterment and for non-exploitation of the biotic and abiotic components.
	CO-5. The working in nature to save environment will help development of leadership skills to promote betterment of environment.
Paper II ZY-122 (Cell Biology)	CO-1.The learner will understand the importance of cell as a structural and functional unit of life.
	CO-2.The learner understands and compares between the prokaryotic and eukaryotic system and extrapolates the life to the aspect of development.
	CO-3.The dynamism of bio membranes indicates the dynamism of life. Its working mechanism and precision are responsible for our performance in life.
	CO-4.The cellular mechanisms and its functioning depend on endo-membranes and structures. They are best studied with microscopy.
SYB Sc (CBCS- 2019)	
Paper I ZO - 231 Animal Diversity III Paper-II ZO - 241 Animal Diversity IV	CO-1 The students will be able to understand, classify and identify the diversity of higher vertebrates.
	CO-2 The students will able to understand the complexity of higher vertebrates.
	CO-3 The students will be able to understand different life functions of higher vertebrates.
	CO-4 The students will be able to understand the linkage among different groups of higher vertebrates.
	CO-5 The student will become aware regarding his role and responsibility towards nature as a protector, to understand his role as a trustee and conservator of life which he has achieved by learning, observing and understanding life.
Paper II ZO - 232 Applied	CO-1. The students will understand the various aspects of silkworm

Zoology I	for effective rearing practices.
	CO-2. To aware the students about economic importance of sericulture, economics and qualities of silk etc.
	CO-3. Students will learn post harvest processing of silk cocoons.
	CO-4. The learner understands the biology, varieties of silkworms and the basic techniques of silk production.
	CO-5. The learner understands the types of agricultural pests, Major insect pests of agricultural importance and Pest control practices.
Paper II **ZO - 242 Applied Zoology II**	CO-1. The learner understands the basics about beekeeping tools, equipment, and managing beehives.
	CO-2. The learner understands the basic information about fishery, cultural and harvesting methods of fishes and fish preservation techniques.
	CO-3. Learner will know about managing beehives for honey production and pollination.
	CO-4. The students will able to have self employment in agricultural sector.

Department of Physics

Sr. No.	Program	Program Objectives	Program Specific Outcome
1.	**Physics**	1. To faster scientific attitude provide in depth knowledge of scientific & technological concept of Physics. 2. To Familiarize with recent scientific & technological development. 3. To help students to learn various experimental & computational tools there by developing analytical abilities to address real word problem.	1. Students will have acquired necessary skills & expertise to work in industry. 2. Students will have acquired necessary skills for working in research. 3. Students will have acquired necessary skills to teach physics in colleges. 4. To help students build up progressive & successful career in Physics.

F.Y.BSc (CBCS- 2019)

Sr. No.	Course	Course Outcome
1.	**Mechanics**	1. The students will be able to apply the variational principles to real physical problem. 2. At the end of course student will have through knowledge & problem solving skills related to the mechanics.
2.	**Physics Principles and Application**	1. Understanding of basics law of physics. 2. To understand the atomic excitation & laser principles. 3. To understand the bonding mechanism in molecules & rotational & vibrational energy level of diatomic molecules.
3.	**Electromagnetism**	1. Understanding of basics law of electromagnetism. 2. The students will able to analyze radiation system in which the electric dipole, magnetic dipole or electric quadruple dominate. 3. Demonstrate an understanding of magnetization of materials.
4.	**Heat and Thermodynamics**	1. Apply the laws of thermodynamic to formulate the relations necessary to analyze a thermodynamics process. 2. Understand the types of thermometers & their usage. 3. Describe the properties of & relationships between the properties of a pure substance.

S.Y.BSc (CBCS- 2019)

Sr. No.	Course	Course Outcome
1.	**PHY-231: Mathematical Methods in Physics-I**	CO-1. Understand the complex algebra useful in physics courses.
		CO-2. Understand the concept of partial differentiation.
		CO-3. Understand the role of partial differential equations in physics.
		CO-4. Understand vector algebra useful in mathematics and physics.
		CO-5. Understand the concept of singular points of differential equations
2.	**PHY-232: Electronics**	CO-1. Apply different theorems and laws to electrical circuits.
		CO-2. Understand the relations in electricity.
		CO-3. Understand the parameters, characteristics and working of transistors.
		CO-4. Understand the functions of operational amplifiers.

		CO-5.Design circuits using transistors and applications of operational amplifiers
		CO-6. Understand the Boolean algebra and logic circuit
3.	**PHY-233: Practical Course**	CO-1. Use various instruments and equipment.
		CO-2. Design experiments to test a hypothesis and/or determine the value of an unknown quantity.
		CO-3. Investigate the theoretical background of an experiment.
		CO-4. Setup experimental equipment to implement an experimental approach.
		CO-5. Analyze the data, plot appropriate graphs and reach conclusions from data analysis.
		CO-6. Work in a group to plan, implement and report on a project/experiment.
		CO-7. Keep a well-maintained and instructive laboratory logbook.
4.	**PHY-241: Oscillations, Waves, and Sound**	CO-1. To study underlying principles of oscillations and it's scope in development.
		CO-2. To understand and solve the equations / graphical representations of motion for simple harmonic, damped, forced oscillators and waves.
		CO-3. To explain oscillations in terms of energy exchange with various practical applications.
		CO-4. To solve numerical problems related to undamped, damped, forced oscillations and superposition of oscillations.
		CO-5.To study characteristics of sound, decibel scales and applications.
5.	**PHY-242: Optics**	CO-1. Acquire the basic concept of wave optics.
		CO-2. Describe how light can constructively and destructively interfere.
		CO-3. Explain why a light beam spread out after passing through an aperture
		CO-4. Summarize the polarization characteristics of electromagnetic wave
		CO-5. Understand the operation of many modern optical devices that utilize wave optics
		CO-6. Understand optical phenomenon such polarization, diffraction and interference in terms of the wave model
		CO-7.Analyze simple example of interference and diffraction.
6.	**PHY-243: Practical Course**	CO-1. Use various instruments and equipment.
		CO-2. Design experiments to test a hypothesis and/or determine the value of an unknown quantity.
		CO-3. Investigate the theoretical background of an experiment.
		CO-4.Setup experimental equipment to implement an experimental approach.
		CO-5. Analyze the data, plot appropriate graphs and reach conclusions from data analysis.
		CO-6. Work in a group to plan, implement and report on a project/experiment.
		CO-7. Keep a well-maintained and instructive laboratory logbook.

Department of Mathematics

PROGRAMME: BSc	
Course Outcomes (Mathematics)	
F.Y BSc (CBCS- 2019)	
Algebra and Geometry	CO-1. Prove results involving divisibility and greatest common divisors .
	Co-2. Solve system of linear equations.
	Co-3. Use Cayley Hamilton Theorem to find the inverse of matrix.
	Co-4 polynomial addition ,subtraction division , multiplication , roots of polynomials and relation between roots and coefficient of polynomial .
	Co- 5compute the angle between a line and a plane ,length of perpendicular from a point to a line .
	Co -1 to calculate limits in indeterminate forms by a repeated use of L H Hospitals rule .
	CO-2. Extract the solution of differential equations of the first order and of the first degree by variables separable , homogeneous and non-homogeneous method .
	CO-3. To solve algebraic equations and inequalities involving the square root modulus function .
	CO-4. To understand the difference between equations and identities and to prove simple identities and inequalities .
	CO-5. Be able to calculate limits by substitution and by eliminating zero denominators .
S.Y.BSc (CBCS- 2019)	
(MT-231) Calculus of several variables	Define functions of several variables, domain, range, level curves, limit graphs. Find limit of function of several variables, domain, range, can draw graph, level curves.
	Calculate the partial derivatives of functions of several variables , Clairaut's theorem , laplace equation ,wave equation ,differentiability of functions ,chain rule ,homogeneous function
	Determine the extrema of functions of several variables **,**second derivative test, Use the Lagrange multiplier method to find extrema of functions with constraint
	Iterated Integrals, Fubini's Theorem, Double integral over general regions, Double integral in Polar coordinates, Triple integrals , Evaluation of triple integrals.
	Triple integrals in spherical coordinates ,Jacobians , Change of variables in multiple integrals
(MT-232(A)) Numerical Methods and its Application	Be able to understand the basic idea of Errors and Their Computations. Know how to find Absolute, relative and percentage errors,, and to understand the general error formula. Be familiar with the notion rounding off numbers to n significant digits, to n decimal places,

	To find the Solution of Algebraic and Transcendental Equations using Bisection method, The method of False position, Newton-Raphson method
	Define Basic concepts of finite difference operators and their relation , Differences of a polynomial ,Newton's Interpolation Formulae (Forward and Backward) ,Lagrange's Interpolation Formula , Newton's General Interpolation formula
	To understands and can find Numerical Differentiation Numerical Integration using General quadrature formula, Trapezoidal rule. Simpsons's 1/3rd rule. Simpsons's 3/8 th rule
	Able to find numerical solution of first order ordinary differential equations using Taylor Series method, Picard's method of successive approximation , Euler's method, Modified Euler's methods, Runge - Kutta Methods 2nd and 4th order
MT-233) Mathematics Practical	Solve problems related to the syllabus of Calculus of several variables and Numerical Methods and its Application
	The student get knowledge of Maxima Software,
	Using Maxima software student can solve the problems of Calculus of several variables and Numerical Methods and its Application
MT-241: Linear Algebra	Students will be able to understand Row echelon form of a matrix, reduced row echelon form of a matrix.
	Solve the system of linear equation, Consistency of homogeneous and non-homogeneous system of linear equations using rank, condition for consistency
	Students will able to Define Vector Space, Subspace, linear combination linear span and linear dependence, independence, basis and inner product
	Know how to find the row space, column space and null space of a matrix, and be familiar with the concepts of dimension of a subspace and the rank and nullity of a matrix
	Apply the properties of linear transformations to linearity of transformations, kernel and rank of linear transformations, inverse transformations to solve the problems of matrix transformations, change of basis.
MT-242 Vector Space	Define the Curves in Space, Limits and Continuity, Derivatives and Motion, Unit Tangent Vector , Curvature of a Plane Curve, Circle of Curvature for Plane Curves
	To find the Curvature of a Plane Curve, unit tangent vector
	Understand the concept of Line Integral of Scalar Functions, Line integral in the Plane, Vector Fields, Gradient Fields, Line Integral of Vector Fields, Work done by a Force over a Curve in Space, Path Independence, Conservative and Potential Functions,
	Solve the problem Parameterizations of Surfaces, Surface integrals, Surface Integrals of Vector Fields.
	Students will be able to understand the concept The Curl Vector Field, Stokes' Theorem, Conservative Fields and Stokes' Theorem,

	Divergence Theorem, Unifying the Integral Theorems.
MT-243 Mathematics Practical	Solve problems related to the syllabus of Linear Algebra and Vector Space
	Using Maxima software student can solve the problems Linear Algebra and Vector Space