



FYBSC Semester-I

Paper II

BO- 112 Plant Morphology And Anatomy

CREDIT-I

Chapter 1. MORPHOLOGY: 2 L

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1. MORPHOLOGY

- 1.1: Introduction, definition, descriptive and interpretative morphology.
- 1.2: Importance in identification, nomenclature, classification, phylogeny and Plant breeding.


Introduction

Morphology – (Morphe = form + logos = study). It deals with the study of forms and features of different plant organs like roots, stems, leaves, flowers, seeds, fruits etc.

- The body of a typical Angiospermic plant is differentiated into :
 - ✧ an underground root system
 - ✧ an aerial shoot system.
- The shoot system consists of stem (including branches), leaves, flowers and fruits.
- The roots, stems and leaves are vegetative parts, while flowers constitute the reproductive part.





Definition:

- **Morphology** is the branch of biology of that deals with the study and forms of various parts of plants and their specific special features.
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Descriptive and Interpretative morphology.

- Morphology, in biology, the study of the size, shape, and structure of animals, plants, and microorganisms and of the relationships of their constituent parts. The term refers to **the general aspects of biological form and arrangement of the parts of a plant or an animal.**





Thank You!...