

2m/BOT-150(Th) Syllabus-2023

2026

(May-June)

FYUP : 2nd Semester Examination

BOTANY

(Minor)

**(Plant Diversity—II, Gymnosperm and
Paleobotany, Angiosperm, Morphology,
Plant Anatomy)**

(BOT-150)

(Theory)

Marks : 56

Time : 3 hours

*The figures in the margin indicate full marks
for the questions.*

**Answer Question No. 1 which is compulsory and
any **one** question from each Section**

1. Write short notes on the following : 4×4=16

- (a) Female cone of *Pinus***
- (b) Types of seeds**

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(Turn Over)

- (c) Affinities of gymnosperms with pteridophytes
- (d) Structure and functions of phloem parenchyma

SECTION—I

- 2. With suitable diagrams, describe the male and female gametophyte of *Cycas*. 5+5=10
- 3. What are fossils? Describe the different types of plant fossils. 2+8=10

SECTION—II

- 4. Write notes on the following : 5×2=10
 - (a) Placentation types
 - (b) Forms of Corolla
- 5. Define inflorescence. Describe the different types of racemose inflorescence. 1+9=10

SECTION—III

- 6. Write notes on the following : 5×2=10
 - (a) Anomalous secondary growth in *Dracaena*
 - (b) Any two types of root stem transition in angiosperms

7. With the help of suitable diagrams, describe the different types of stomata in angiosperms. (May-June) 4+6=10

SECTION—IV

8. Describe in detail the secondary growth in dicot stem giving suitable diagrams. 7+3=10
9. Write short notes on the following : 5×2=10
- (a) Geological Time Scale
 - (b) Types of Carpels

(Theory)

Marks : 34

Time : 1 hour

The student is required to answer all the questions.

For the questions

Answer Question 10. It should be compulsory and

any other question from each Section.

1. Write short notes on the following : (4×2=8)

(a) Female cone of Pinus

(b) Types of seeds