

1m/BOT-100 (Th) Syllabus-2023

2 0 2 4

(April)

FYUP : 1st Semester Examination

MINOR COURSE

BOTANY : BOT-100

**(Plant Diversity—I, Algae, Bryophyte and
Pteridophytes)**

(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* **four**, selecting **one** from each Section.

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

- (a) Salient features of algae
- (b) Gemma cup
- (c) Protostele
- (d) Heterotrichous thallus

(2)

SECTION—I

2. Describe the range of thallus structures in algae with suitable diagrams. 7+3=10
3. With the help of suitable diagrams, describe the sexual reproductive structures of *Chara*. 7+3=10

SECTION—II

4. Describe the antheridiophore and archegoniophore of *Marchantia* with diagrams. 5+5=10
5. Write a note on the economic importance of Bryophytes. 10

SECTION—III

6. Define stele and describe the different types of stelar structure in Pteridophytes. 2+5+3=10
7. Describe the life cycle of *Lycopodium* with illustrations. 7+3=10

(3)

SECTION—IV

8. Give an account on the economic importance of algae. 10
9. Write short notes on the following : 5+5=10
- (a) Salient features of Bryophytes
- (b) L.S. of *Selaginella strobilus*
