

Exam. Code : 103201

Subject Code : 1288

B.A./B.Sc. Semester—I

BOTANY —I (B)

(Diversity of Cryptogams)

Time Allowed—3 Hours]

[Maximum Marks—35

Note :— Attempt **five** questions in all. Question No. 1 is compulsory. Each question carries 7 marks.

1. (i) Why are bryophytes called Amphibians of Plant Kingdom ?
- (ii) What are pseudoelaters ?
- (iii) What types of peristome teeth are present in *Funaria* ?
- (iv) Define Plectostele.
- (v) What is the leaf arrangement in *Selaginella* ?
- (vi) What is sporocarp ?
- (vii) How are pteridophytes advanced over bryophytes ?

2. Draw neat labelled diagrams of the following :
 - (a) V.S. sporophyte of *Marchantia*.
 - (b) V.S. thallus of *Anthoceros*.
3. Give an illustrated account of structure and reproduction in *Anthoceros*.
4. Explain the structure of antheridiophore and archegoniophore of *Marchantia* with the help of neat labelled diagrams.
5. Describe the structure of sporophyte of *Funaria*. Give the mechanism of dehiscence also.
6. Describe briefly the structure and reproduction in *Rhynia*.
7. Explain the important characteristics of Pteropsida.
8. Give an account of reproduction in *Lycopodium*.
9. Describe the morphological and anatomical account of *Equisetum*.