

Exam. Code : 103201

Subject Code : 1263

B.A./B.Sc. 1st Semester

BOTANY

Paper—IB (Diversity of Cryptogams)

Time Allowed—Three Hours] [Maximum Marks—35

Note :— Attempt FIVE questions in all, selecting at least ONE question from each Section. Draw neat labelled diagrams in support of your answer.

SECTION—A

1. What are amphibians of Plant Kingdom ? How they got adapted to life on land ? Discuss.
2. Explain the structure of sex organs and sporophyte in different bryophytes.

SECTION—B

3. Explain the morphological as well as anatomical features of gametophyte and sporophyte of *Anthoceros*.
4. Give a detailed account of classification of Bryopsida. Explain different types of peristome teeth in mosses.

SECTION—C

5. (a) What are vascular cryptogams ? How are they advanced over bryophytes ?
(b) Discuss important characteristics of Psilopsida.
6. Give a detailed account of morphological and anatomical features of Pteropsida alongwith diagrams.

SECTION—D

7. Describe the external and internal features of *Lycopodium*.
8. Draw neat labelled diagrams of the following :
 - (a) L.S. of strobilus of *Selaginella*
 - (b) T.S. through an internode of stem of *Equisetum*.