

FACULTY OF SCIENCE
B.Sc. II-Semester (CBCS) Examination, May / June 2017

Subject : Botany

Paper – II : Bryophytes, Pteridophytes, Gymnosperms and Paleobotany

Time : 3 Hours

Max. Marks: 80

PART – A (5 x 4 = 20 Marks)

(Short Answer Type)

Note : Answer any FIVE of the following questions.

- 1 Marchantia – Gemmae
- 2 Anthoceros – Gametophyte external features
- 3 General characters of Pteridophytes.
- 4 External features of Marselia sporophyte
- 5 Pinus – Ovule
- 6 Gnetum – Male cone
- 7 Importance of fossils
- 8 Geological Time scale

PART – B (4 x 15 = 60 Marks)

(Essay Answer Type)

Note: Attempt ALL the questions.

- 9 (a) Write an account on the evolution of sporophyte in bryophytes.
OR
(b) Explain the capsule of polytrichum with neat labelled diagram.
- 10 (a) Explain the Anatomy of Lycopodium stem in detail with neat labelled diagram.
OR
(b) Write an account of stellar evolution in pteridophytes.
- 11 (a) Write an account on the general characters and distribution of Gymnosperms.
OR
(b) Enumerate sporne's classification of gymnosperms and add a note on economic importance of Gymnosperms.
- 12 (a) Write an account on Bennettitales.
OR
(b) What are fossils? Enumerate the methods of fossilization.
