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
4. External features of Marsella 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.

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