FACULTY OF SCIENCE
B.Sc. II-Semester (CBCS) Examination, May / June 2018
Subject: Botany

Paper – II: Bryophytes, Pteridophytes, Gymnosperms and Paleobotany

Time: 3 Hours  Max. Marks: 80

PART – A (5 x 4 = 20 Marks)
(Short Type Answer)
Note: Answer any FIVE of the following questions.
1. Marchantia-thalius
2. Anthoceros-antheridia
3. Rhynia
4. Stele in Lycopodium
5. Pinus-R.L.S. of wood
6. Gnetru-ovule
7. Williamsoniella
8. Geologic Time Scale

PART – B (4 x 15 = 60 Marks)
(Essay Type Answer)
Note: Answer all the questions.

9 (a) Describe the structure of capsule in Polytrichum.
   OR
   (b) Write an essay on evolution of sporophyte in Bryophytes.

10 (a) Describe the classification of Pteridophytes proposed by sporne
   OR
   (b) Describe the structure of sporocarp in Marsilea.

11 (a) Explain the internal structure of Pinus needle with the help of a neat labeled diagram.
   OR
   (b) Give an account on the economic importance of Gymnosperms.

12 (a) Give a general account of Bennettitales.
   OR
   (b) What is a fossil? Describe the various types of fossils and methods of fossilization.

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