

M.Sc. (Botany) (CBCS Pattern) Semester-I  
**PSCBOTT02 - Paper-II - Bryophytes & Pteridophytes**

P. Pages : 1

Time : Three Hours



**GUG/S/25/11151**

Max. Marks : 80

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- Notes : 1. All questions are compulsory and carry equal marks.  
2. Draw well labelled diagram wherever necessary.

1. What are Bryophytes? Give general characters, distribution, classification & ecology of Bryophytes. 16

**OR**

Write note on-

- a) Regeneration in Bryophytes. 8  
b) Bryophytes as ecological indicators. 8

2. Give detail account on class-Bryopsida. 16

**OR**

Write note on-

- a) Sphaerocarpels. 8  
b) Anthocerotales 8

3. Describe in detail evolution of stele, heterospory and development of seed habit in pteridophytes. 16

**OR**

Write note on-

- a) Contribution of Indian Pteridologists. 8  
b) General account on Rhyniopsida. 8

4. Give detail account on ophiglossales and Filicales. 16

**OR**

Write note on-

- a) Tracheophyta. 8  
b) Marsileales. 8

5. Write short note on-

- a) Fossil Bryophytes. 4  
b) Takakia - General account. 4  
c) Apospory and Apogamy. 4  
d) Ophioglossum - General account. 4

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