

M.Sc. (Botany) (NEP Pattern) Semester-I  
**NEP-02 / 01MSCB2 - Paper-II - Bryophytes & Pteridophytes**

P. Pages : 1

Time : Three Hours



**GUG/W/23/15062**

Max. Marks : 80

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- Notes : 1. All questions are compulsory and carry equal marks.  
2. Draw diagram wherever necessary and illustrate your answers with suitable examples.

1. Describe in details general characters and classification of Bryophytes. **16**

**OR**

Write note on:

- a) Regeneration in Bryophytes. **8**  
b) Contribution of Prof. Ram udar and Prof. S.K. Pande. **8**

2. Give an account of Bryopsida with suitable example. **16**

**OR**

Write note on-

- a) General account of Takakiales. **8**  
b) Sporophyte of Anthoceros. **8**

3. Describe in detail general characters and distribution of Pteridophytes. **16**

**OR**

Write note on-

- a) Contributions Prof. S. S. Bir and Pran Nath Mehra. **8**  
b) Heterospory and seed habit. **8**

4. Give general account of Equisetales with suitable example. **16**

**OR**

Write note on:

- a) Progymnospermosida. **8**  
b) Sporophyte of Marsilea. **8**

5. Write short notes on-

- a) Fossil Bryophytes. **4**  
b) Gemmae cups. **4**  
c) Apospory. **4**  
d) Ophioglossum. **4**

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