

NEP-02 / 01MSCB2 - Paper-II - Bryophytes & Pteridophytes

P. Pages : 1

GUG/W/24/15062

Time : Three Hours



Max. Marks : 80

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

1. Write an essay on contribution of Indian Bryologist. **16**

OR

Write notes on:

- a) Fossil history and cytology of bryophytes. **8**
b) General characters and classification of Bryophytes. **8**

2. Describe the sexual reproduction and sporophyte of Anthoceros. **16**

OR

Write notes on:

- a) Sphaerocarpos. **8**
b) Sphagnum. **8**

3. What is stele. Describe in details the evolution of stele in pteridophytes. **16**

OR

Write notes on:

- a) Heterospory and seed habit. **8**
b) Life cycle of Rhynia. **8**

4. Describe the morphological and reproductive structure of Equisetum. **16**

OR

Write notes on:

- a) Sexual reproduction of Marsilea. **8**
b) Progymnosperms. **8**

5. Write short notes on:

- a) Bryophytes as ecological indicators. **4**
b) Polytrichum. **4**
c) Selaginella. **4**
d) Ophioglossum. **4**
