

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

P. Pages : 1

Time : Three Hours



GUG/W/22/11151

Max. Marks : 80

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

1. Describe the general characteristics of bryophytes? Write down classification of bryophytes. **16**
- OR**
- Write notes on-
- a) Bryophytes as ecological indicators. **8**
- b) Morphogenesis in Bryophytes **8**
2. Give an account of Bryopsida with suitable example. **16**
- OR**
- Write notes on:
- a) General account on Takakiales. **8**
- b) Sporophytes in Anthocerotales. **8**
3. Describe the general characteristics of pteridophytes? Write about the evolution of stele in Pteridophytes. **16**
- OR**
- Write notes on:
- a) Significance of Apospory and Apogamy. **8**
- b) Fossil pteridophytes. **8**
4. Describe general account of Sphenopsida and its orders with suitable examples. **16**
- OR**
- Write notes on-
- a) Morphological characters of Marsilea. **8**
- b) Progymnospermopsida. **8**
5. Write short notes on:
- a) Economic importance of Bryophytes. **4**
- b) Economic importance of Sphagnum. **4**
- c) Character of Lycopsidea. **4**
- d) Sporocarp of Marsilea. **4**
