

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

P. Pages : 1

Time : Three Hours



GUG/S/23/11151

Max. Marks : 80

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

1. What are Bryophytes? Write about regeneration in bryophytes and modern trends in taxonomy. **16**

OR

Write on:

- a) Ecology of bryophytes. **8**
b) Morphogenesis in bryophytes. **8**

2. Write about the order sphaerocarpales. **16**

OR

Write on:

- a) Reproductive characters of Anthoceros. **8**
b) Morphological characters of Sphagnum. **8**

3. Define pteridophytes? Write general account of selaginales. **16**

OR

Write on:

- a) Morphology of Lycopodium. **8**
b) General characters of Pteridophytes. **8**

4. Write about general account of Equisetales. **16**

OR

Write on:

- a) Morphological character of Marsilea. **8**
b) Progymnospermopsida. **8**

5. Write short notes on:
a) Cytology of bryophytes **4**
b) Morphology of Polytrichum. **4**
c) Heterospory **4**
d) Sporocarp of Marsilea. **4**
