

B.Sc. (CBCS)-Regular-Semester 2017 Sem I
**BO-02 - Botany Paper-II - Plant Diversity-II (Bryophyta, Pteridophyta,
Gymnosperms and Paleobotany)**

P. Pages : 2

Time : Three Hours



GUG/S/18/10079

Max. Marks : 50

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

1. Write notes on:

- a) General characteristics of Bryophyta. 5
b) Explain the structure of Anthoceros sporophyte. 5

OR

Write short notes on.

- c) Thallus of Riccia. 2½
d) Economic importance of Bryophytes. 2½
e) Funaria capsule (L.S.) (Dig. only) 2½
f) Anthoceros Antheridium. 2½

2. Write notes on:

- a) Telome theory. 5
b) Siphonostele in pteridophyta. 5

OR

Write short notes on:

- c) Sporangium of Rhynia. 2½
d) External Morphology Selaginella. 2½
e) L.S. of Equisetum cone. 2½
f) External morphology of Marsilea. 2½

3. Write notes on:

- a) General characteristics of Gymnosperm. 5
b) Pinus- external morphology. 5

OR

Write short notes on.

- c) Classification of Gymnosperm. 2½
- d) Megasporophyll of Cycas. 2½
- e) Economic importance of Gymnosperms. 2½
- f) Pinus female cone. 2½

4. Write notes on:

- a) Geological time scale. 5
- b) Process of fossilization. 5

OR

Write short notes on:

- c) Petrification. 2½
- d) Glossopteris leaf. 2½
- e) Compression. 2½
- f) Cycadeoidea ovule. 2½

5. Write **any ten** questions in one or two lines only. (Diagrams are Not necessary). **10**

- a) Mucilage cavity.
- b) Cover cells.
- c) Perichaetial leaves.
- d) Protostele.
- e) Gelatinous ring.
- f) Heterospory.
- g) Coralloid root.
- h) Apophysis.
- i) Resin canal.
- j) Paleobotany
- k) Fossile fuel.
- l) Impression.
