

Botany (Hons.) Paper-II

Answer five questions, selecting at least one from each Group, in which Q.No. 1 is compulsory. LNMUonline.com

1. Write, in short, on any three questions of the following :

- (a) Gemma cup of Marchantia
- (b) L.S. capsule of Sphagnum
- (c) Stem anatomy of Lycopodium
- (d) Sporangia of Selaginella
- (e) Cone of Calamites

Group-A

- 2. Describe the sterilization of sporogenous tissues among the members of bryophytes studied by you.
- 3. Describe the various mode of vegetative reproduction in Bryophytes.
- 4. Give the salient features of the polythichum and discuss its affinities.
- 5. Describe the structure of sporophyte of Anthoceros

Group-B

- 6. What is Stele ? Describe the various types of stele found in Pteridophytes.
- 7. Describe the morphological nature of the spike of Ophioglossum.
- 8. Describe the stem structure and reproduction of Rhynia.
- 9. Discuss, in brief, the telome theory in Pteridophytes.
- 10. Give the structure and development of gametophyte of Equisetum.

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