

B.Sc. Part - I Examination Questions -2017

Botany (Hons.) Paper-II

Answer five questions, selecting atleast one from each Group, in which Q.No. 1 is compulsory.

1. Write, in short, on any three questions of the following :
 - (a) Thallus of Anthoceros
 - (b) Elaters in Bryophytes
 - (c) Protocorm
 - (d) Equisetum strobilus
 - (e) Protostele

Group-A

2. Describe the progressive evolution of gametophytes in Bryophytes with suitable examples.
3. Explain salient features of Sphagnum and discuss its affinities.
4. Describe the structure and development of the sporophyte of Marchantia.
5. Write short notes on any two of the following :
 - (a) Economic importance of Bryophytes
 - (b) Gametophyte of Polytrichum
 - (c) Leaf of Sphagnum
 - (d) Peristome in Bryophytes

Group-B

6. What is heterospory ? What role it has played in the evolution of seed habit ?
7. Give an account of the salient features of Psilotum, emphasising its primitive features.
8. Give a comprehensive account of the morphological structures of Calamites.
9. Describe the structure of different types of stele in the germs Lycopodium.
10. Write short notes on any two of the following :
 - (a) Telome theory
 - (b) Homologous theory
 - (c) Sporangia of Rhynia
 - (d) Difference between leptosporangiate and eusporangiate