

(2)

8. Mention two medicinally important species of Gymnosperms.

Group - B

Answer any **four** questions. 5×4=20

9. Mention the salient features of *Anthoceros*. Why is Anthocerotopsida considered a synthetic group? 3+2
10. Draw and describe the structure of archegoniophore of *Marchantia*. 2+3
11. What is telome? Describe the origin of sporangiophore of *Equisetum* according to the telome theory with suitable diagram. 2+3
12. Briefly describe the phylogeny and affinity of *Psilotum*.
13. Represent a brief schematic classification of extant Gymnosperms up to family.
14. Draw and describe the female cone of *Pinus*.

Group - C

Answer any **one** question. 10×1=10

15. Write short notes on : 2×5=10
- (i) Gametophyte of *Sphagnum*
- (ii) Economic importance of Pteridophyta
16. Draw and describe the structure of *Gnetum* ovule. Why is *Gnetum* considered as advanced among Gymnosperms? 5+5

Total Pages : 2

B.Sc./2nd Sem (H)/BOT/24(CBCS)

2024

2nd Semester Examination

BOTANY (Honours)

Paper : C 4-T

(Archegoniate)

[CBCS]

Full Marks : 40

Time : Two Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any **five** questions. 2×5=10

1. Name two Indian species of *Pellia*.
2. Distinguish between vallecular canal and carinal cavity.
3. What is pseudoelater? Where is it found?
4. In which geological age does *Rhynia* exist?
5. Give botanical names of two aquatic ferns.
6. What is sulphur shower?
7. Mention two primitive characters of *Cycas*.

P.T.O.