

B.Sc. DEGREE EXAMINATION, NOVEMBER 2019
I Year II Semester
Bryophytes and Pteridophytes

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20$) Marks

Answer any **TEN** questions

1. Hydroids
2. Bryophyte
3. Protonema
4. Antheridiophore
5. Telome theory
6. Circinate vernation.
7. Ectophloic
8. Apogamy
9. Adventitious root.
10. Peduncle
11. Microsporangium
12. Gemmae

Section B ($5 \times 5 = 25$) Marks

Answer any **FIVE** questions

13. Highlight the general characters of Bryophytes.
14. Describe the morphology of Marchantia sporophyte with illustrations.
15. Enumerate the economic importance of pteridophytes with suitable examples.
16. What is heterospory? Write its advantages over homosporous.
17. Describe the morphology of Lycopodium gametophytes with illustrations.
18. Enumerate the Therapeutic uses of Bryophytes with suitable examples.
19. Explain the sexual reproduction of Dicranopteris.

Section C ($3 \times 10 = 30$) Marks

Answer any **THREE** questions

20. Write an essay on the classification of Bryophytes by Reimer.
21. Describe the structure of Polytrichum sporophyte with suitable diagram.
22. Write detailed account on the classification of Gymnosperm by Reimer.
23. Elucidate the life cycle of Marsilea with illustrations.
24. What is stele? Explain the stellar variations and their evolutionary significance in pteri - dophtyes.

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