

B.Sc. DEGREE EXAMINATION, APRIL 2020
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. Hornworts
2. Peat
3. Elaters
4. Perigynium
5. Psilotopsida
6. False indusium
7. Apospory
8. Dictyostele
9. Any 2 species of *Lycopodium*
10. Sorus
11. Exoscopic embryogeny
12. Strobili

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

Answer any **FIVE** questions

13. Write about the salient features of Hepaticopsida.
14. Describe the Anatomy of aerial stem of *Polytrichum*.
15. Mention the economic importance of Pteridophytes
16. Write short notes on Homospory
17. Write a short note on the protocorm of *Lycopodium*.
18. Draw and describe T.S. of Rhizome of *Marsilea*
19. With the help of diagram explain archigoniophore of *Marchantia*

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

Answer any **THREE** questions

20. Describe the distinguishing characters of Bryophytes
21. Explain the life cycle of *Polytrichum*
22. Write the classification of Pteridophytes
23. Describe stellar evolution with suitable diagrams
24. Describe sexual reproduction in *Lycopodium*

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