

B.Sc DEGREE EXAMINATION, APRIL 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. Rhizoid
2. Peat
3. Gemma
4. Seta
5. Synangium
6. Ligule
7. Homospory
8. Protostele
9. Prothallus
10. Sporophyll
11. Biofertilizer
12. Circinate vernation

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

Answer any **FIVE** questions

13. Describe the economic importance of Bryophytes.
14. Write on the internal structure of *Marchantia*.
15. Write the classification of Pteridophytes proposed by Reimer.
16. Differentiate apogamy from apospory.
17. Draw and describe the L.S. of *Lycopodium* strobilus
18. List the characters of ferns.
19. Describe the sporophyte of *Dicranopteris*.

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

Answer any **THREE** questions

20. Write in detail the classification of Bryophytes proposed by Reimers. List the general characters of Bryophytes.
21. Draw and explain the internal structure of sporophyte of *Polytrichum*.
22. Describe the economic importance of Pteridophytes.
23. Write an essay on stellar evolution.
24. Describe the life cycle of *Marsilea*.

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