

M.Sc DEGREE EXAMINATION, APRIL 2019
I Year I Semester
Bryophytes, Pteridophytes, Gymnosperms and Paleobotany

Time : 3 Hours

Max.marks :75

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

Answer any **TEN** questions

1. Gemma
2. Calyptra
3. Telome theory
4. Amphiphloic and Ectophloic
5. Synangium
6. Glossopodium
7. Phylloclade and Microsporangium
8. Softwood and Polyembryony
9. BSIP
10. Petrification and Compression
11. Hydroids and Leptoids
12. Geological time scale

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

Answer any **FIVE** questions

13. Write an account on the evolution of sporophytes in Bryophytes.
14. Enumerate the general characters of Pteridophytes.
15. Write the life history of *Psilotum* with suitable diagrams.
16. Describe the sexual reproductive structures of *Ephedra*.
17. Write a note on the Flora of Gondwana.
18. Enumerate the economic importance of Gymnosperms.
19. Describe the Stellar Evolution occurrence in Pteridophytes.

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

Answer any **THREE** questions

20. Describe and compare the sporophyte of *Porella* and *Funaria*.
21. Write a detail account on the Reimer classification of Pteridophytes.
22. Write an essay on the life history of *Osmunda* with Pictorial representation.
23. Describe the life history of *Araucaria* with suitable diagrams.
24. Write an account on *Sphenophyllum* and *Cordaitea*.

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