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Reg. No.

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III Semester B.Sc. Degree Examination, March/ April - 2021

BOTANY

Pteridophytes, Paleobotany, Environmental Biology and Phyto Geography  
(CBCS Scheme Freshers / Repeaters 2019-20 onwards)

Paper - III



Time : 3 Hours

Maximum Marks : 70

*Instructions to Candidates :*

- i) *Answer all questions.*
- ii) *Draw diagrams and write examples wherever necessary.*

## PART - A

I. Explain/Define any Ten of the following in 2 or 3 Sentences: (10×2=20)

1. What is Protostele? Give example.
2. What is afforestation?
3. What is weathering? Mention its types.
4. Mention any two types of fossils.
5. What is cropland ecosystem?
6. Mention any two methods of Soil conservation.
7. What is Protocorm? Give example.
8. Define plant succession.
9. What are trabeculae? Give example.
10. State any two contributions of Birbal sahani to paleobotany.
11. What are seed banks? Mention their role.
12. Mention any two Eras of geological time scale.

## PART - B

II. Write critical notes on any Four of the following (4×5=20)

13. HLS of Marselia sporocarp.
14. Hydrosere.
15. Rhizophore of selaginella.

P.T.O.



16. Adaptations of xerophytes.
17. Strobilus of Cycadeoidea
18. T.S. of Pentoxylon stem.

**PART - C**

**III. Give a comprehensive account of any Three of the following: (3×10=30)**

19. Describe the stem anatomy of Lycopodium species with suitable diagrams.
  20. Briefly explain climate as an ecological factor.
  21. Describe the methods of fossilization.
  22. Enumerate the phytogeographical regions of India.
  23. Give an account on the heterospory and seed habit in pteridophytes.
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