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DCBN201

Reg. No.

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II Semester B.Sc. Degree Examination, September - 2023

BOTANY

Diversity of Non Flowering Plants

Paper : II

(NEP 2021 Onwards Freshers and Repeaters Scheme)



Time : 2½ Hours

Maximum Marks : 60

Instructions to Candidates:

Answer All parts.

Draw diagrams wherever necessary.

PART - A

I. Define/Explain any Four of the following.

(4×2=8)

1. What are cap cells? Where are they found?
2. Draw a neat labelled diagram of Nostoc.
3. What is heterospory? Give an example.
4. What are winged pollen grains? Give example.
5. What is protostele?
6. Importance of Birbal Sahni Institute of Palaeosciences.

PART - B

II. Write critical notes on any Four of the following.

(4×5=20)

7. Algal blooms.
8. Morphology of Chara.
9. General characteristics of pteridophytes.
10. Coralloid roots of Cycas.
11. Equisetum cone.
12. Process of fossilization.

[P.T.O.]



(2)
PART - C

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III. Give comprehensive account on any Four of the following.

(4×8=32)

13. Male and female conceptacles in sargassum.
 14. L.S. of sporophyte of Anthoceros.
 15. Antheridial head of funaria.
 16. Reproductive structures of Gnetum.
 17. Cycadeoidea.
 18. Types of fossils.
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