



DCBN201

Reg. No.

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II Semester B.Sc. Degree Examination, October - 2022

BOTANY

Diversity of Non - Flowering Plants

Paper : II

(NEP-2021 Scheme Onwards)

Time : 2½ Hours

Maximum Marks : 60

Instructions to Candidates:

Answer all parts. Draw diagrams wherever necessary.

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PART - A

I Define/Explain any **Four** of the following.

(4×2=8)

1. What are pseudocelaters?
2. Mention any two general characters of Algae.
3. What is heterospory? Give an example.
4. Draw a neat labelled diagram of Nostoc.
5. What is pavement tissue? Where is it found?
6. What are impressions?

PART - B

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

(4×5=20)

7. Nannandrium of Oedogonium.
8. Economic importance of Diatomaceous earth.
9. Anatomy of thallus of Anthoceros.
10. Sorus in pteris.
11. Gnetum mark cone.
12. Lepidodendron.

[P.T.O.]



(2)
PART - C

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III. Give comprehensive account on any **Four** of the following. (4×8=32)

13. Explain morphology and Reproductive structures in cycadeoidea.
 14. Sex organs of chara.
 15. Sporophyte of Funaria.
 16. Leaflet of cycas.
 17. Gametophyte of Riccia.
 18. Write a note on :
 - a. Rhynia.
 - b. Evolutionary significance of pteridophytes.
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