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Reg. No.

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II Semester B.Sc. Degree Examination, July/August - 2024

BOTANY

**Diversity of Non Flowering Plants
(NEP Scheme 2021 Onwards F+R)**

Paper : II



Time : 2½ Hours

Maximum Marks :60

Instructions to Candidates:

1. Answer All Parts.
2. Draw diagrams wherever necessary.

PART- A

I. Answer any Four of the following in 2-3 sentences.

(4×2=8)

1. Mention the characteristic pigments found in Blue Green Algae.
2. Draw a neat labelled diagram of winged pollen grain of pinus.
3. Mention any two eras of Geological time scale.
4. What is Rhizophore?
5. What is meant by seed habit?
6. Mention the only paleobotanical research institute in India.

PART- B

II. Give critical notes on Any Four of the following.

(4×5=20)

7. Algal products.
8. L.S. of cone of Equisetum.
9. Morphology of Cycas sporophyte.
10. Angiospermic characters of Gnetum.
11. Exploration of fossil fuels
12. Impressions and compressions.

[P.T.O.]



PART-C

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

13. Sex organs of chara.
 14. L.S. of Anthoceros sporophyte.
 15. T.S. of stem of selaginella.
 16. Rhynia
 17. Life cycle in nannandrous species of oedogonium.
 18. a) Draw a neat labelled diagram of T.S. of Pinus needle.
b) Economic importance of Gymnosperms.
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