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DCBN501

Reg. No.

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V Semester B.Sc. Degree Examination, February/March - 2024

BOTANY

Plant Morphology and Taxonomy

(NEP Scheme 2021 Freshers)

Paper : V



Time : 2½ Hours

Maximum Marks : 60

*Instructions to Candidates:*

1. Answer all parts.
2. Draw diagrams wherever necessary.

**PART - A****A.** Define/Explain any **FIVE** of the following in **two** or **three** sentences. (5×2=10)

1. What is binomial nomenclature? Who proposed it?
2. What is papilionaceous corolla? Give an example.
3. What are dichotomous keys? Mention its types.
4. Differentiate taxon from Rank.
5. What is cladistics? Mention its significance.
6. Differentiate apomorphy from symplesiomorphy.

**PART - B****B.** Write critical notes on any **FOUR** of the following. (4×5=20)

7. Schizocarpic Fruits.
8. Species concepts.
9. Co-evolution of angiosperms and animals.
10. Indian Botanic garden, Calcutta.
11. Salient features of the family brassicaceae.

[P.T.O.]



(2)  
**PART - C**

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**C. Give comprehensive account on any THREE of the following. (3×10=30)**

12. Numerical taxonomy.
13. Aim and principles of ICN.
14. Describe the family characters of Asteraceae.
15. Comment on :
  - a. Outlines of Bentham and Hooker's classification.
  - b. Orchid flower

**(6+4)**

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