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B.M.S COLLEGE FOR WOMEN
BENGALURU – 560004

V SEMESTER END EXAMINATION – JAN/FEB-2024

B.Sc. – BOTANY
PLANT MORPHOLOGY AND TAXONOMY

Course Code: BOT5DSC05

Duration: 2 ½ Hours

QP Code: 5030

Max marks: 60

Instructions: 1. Answer all the sections.

2. Draw diagrams wherever necessary.

SECTION-A

I. Answer any FIVE of the following. Each question carries TWO marks. (5x2=10)

1. What is e – flora and Documentation?
2. Differentiate legume with follicle with example.
3. Differentiate between Heterogamous head from Homogamous head with example.
4. What is Resupination? Give an example.
5. What is valid publication?
6. What is Taxonomic hierarchy?
7. What is homology and analogy?

SECTION-B

II. Answer any FOUR of the following. Each question carries FIVE marks. (4x5=20)

8. Explain the technique of herbarium preparation.
9. Write the salient features of Apiaceae.
10. Typification.
11. Cluster analysis.
12. Brief account of Ranks of taxa.
13. DNA sequences of chloroplast gene (rbcL)

SECTION-C

III. Answer any THREE of the following. Each question carries TEN marks. (3x10=30)

14. Write the importance of Botanical Gardens and explain Royal Botanical Garden, Kew.
15. Give a comparative account of the family Brassicaceae and Lamiaceae.
16. Write the principles and rules of ICN.
17. Explain co-evolution of angiosperms and animals.
18. a) Merits and Demerits of Engler and Prantl system of classification.
b) Salient features of Poaceae.

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