



K24P 3083

Reg. No. :

Name :

III Semester M.Sc. Degree (CBCSS – OBE – Regular)
Examination, October 2024
(2023 Admission)
BOTANY
MSBOT03 C12 : Angiosperm Systematics

Time : 3 Hours

Max. Marks : 60

PART – A

Answer **any five** questions. **Each** question carries **3** marks.

1. Differentiate between convergence and divergence.
2. Briefly discuss the importance of botanical gardens.
3. Write a brief account of the historical origin and development of botanical nomenclature.
4. Give a brief description on virtual herbarium.
5. Discuss the concepts of supraspecific and infraspecific categories.
6. Write a brief account on taxonomic hierarchy.

(5×3=15)

PART – B

Answer **any three** questions. **Each** question carries **6** marks.

7. Explain in detail about numerical taxonomy.
8. Discuss in detail about the various literature systems used in plant taxonomy.
9. Give a detailed description on origin and evolution of carpels.
10. Discuss about the major taxonomic centers with special emphasis on India.
11. Give an account of herbarium and its functions.

(3×6=18)

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PART – C

Answer **any three** questions. **Each** question carries **9** marks.

12. Elaborate the historical development of theories and concepts of plant classification.
13. Describe in detail about cytotaxonomy.
14. Explain the role of morphology in plant taxonomy.
15. Discuss the evolutionary trends in pollination mechanisms.
16. What is meant by APG system of classification ? Write a note on its evolution.

(3×9=27)