QP Code: P25C011

Reg. No : .....
Name : .....

ST MARY'S COLLEGE (AUTONOMOUS), THRISSUR-20

III SEMESTER (CBCSS - PG) DEGREE EXAMINATIONS, OCTOBER 2025
M. Sc. Botany
BOT3C08 : ANGIOSPERM MORPHOLOGY, ANGIOSPERM TAXONOMY AND PLANT RESOURCES
2024 Admission Onwards

Time:3 Hours **Maximum Weightage:30**

Part A

*Short answer type questions: Answer **any four** questions. Weightage **2** for each question.*
(4x2 = 8 Weightage)

1. Comment on different types of ovaries.
2. Give a note on the evolution of nectaries.
3. What is the difference between homology and analogy?
4. What is the principle of chemotaxonomy?
5. What is typification?
6. List out binomial, family and useful part of any four cereals.
7. Enlist the importance of any two medicinal plants.

Part B

*Short essay-type questions: Answer **any four** questions. Weightage **3** for each question.*
(4x3 = 12 Weightage)

8. List out the chemical and pharmacognostic importance of neem and turmeric.
9. Give a note on taxonomic literature.
10. Give a detailed note on national and international botanical gardens.
11. Differentiate the concept of Family and Genus in detail.
12. Describe the intraspecific categories.
13. Decribe phylogenetic system of classification.
14. Explain the co-evolution of flower vis-à-vis pollinators.

Turn Over

Part C

*Essay-type questions: Answer **any two** questions. Weightage **5** for each question.*
(2x5 = 10 Weightage)

15. Explain the role of floral anatomy in interpreting the origin and evolution of flower and floral parts.
16. Give a detailed account of history of plant nomenclature.
17. What is herbarium? Elucidate its utility, maintenance and significance.
18. Describe the botanical details and overall chemical composition of spices and condiments.

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