

TM243664T

Qc 21.11

Reg. No :

Name :

MASTER'S DEGREE (C.S.S) EXAMINATION, NOVEMBER 2024

2023 ADMISSIONS REGULAR

SEMESTER III - CORE COURSE BOTANY

BO3C11TM20 - Angiosperm Taxonomy, Economic Botany and Ethnobotany

Time : 3 Hours

Maximum Weight : 30

Part A

I. Answer any Eight questions. Each question carries 1 weight

(8x1=8)

1. What is meant by analogy? Describe using an example.
2. Describe intraspecific categories.
3. Explain the features of Taxonomic Indices.
4. Give a brief account on any one important flora of Kerala.
5. Describe free central placentation.
6. What are versatile anthers? Name a family where it is found.
7. Distinguish between peduncle and pedicel.
8. Explain the uses giving the binomial, family and morphology of useful part of cardamom and cinnamon.
9. Ethnobotanical studies aid in the conservation of resources. Explain.
10. Which are the tools that ethnobotanists use?

Part B

II. Answer any Six questions. Each question carries 2 weight

(6x2=12)

11. Describe the androecium of Melastomaceae. How will you distinguish between Melastoma and Osbeckia using the features of the stamens?
12. Give an account on the range of variations in the androecium of Cucurbitaceae.
13. Distinguish between Poaceae and Cyperaceae using vegetative and floral features.
14. Make a comparative study of Boraginaceae and Loganiaceae using floral features.
15. Describe the floral features of Oleaceae.
16. Give botanical details and useful part of the following medicinal plants - Holybasil, Bel and Betel.
17. Explain the uses of fennel, fenugreek and clove, giving their binomial, family and morphology of useful part.
18. Give the medicinal uses of Serpentine, Aswagandha and Greater Galanga. Also give their botanical details.

Part C

III. Answer any Two questions. Each question carries 5 weight

(2x5=10)

19. Give an account on the Dicta proposed by Bessey.
20. Phytochemistry plays an important role in taxonomic classification. Explain using evidences.
21. Give an account on the important Botanical gardens in India.
22. Write an essay on the methods of ethnobotanical investigation.