

TM243543Q

Reg. No :

Name :

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

2020, 2021, 2022 ADMISSIONS SUPPLEMENTARY

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. Explain biological species concept.
3. Write a brief account on the Flora of the British India.
4. Explain bracketed key with the aid of suitable example.
5. What is meant by ochreate stipules? In which family is it an identifying feature?
6. Describe free central placentation.
7. Give an account on the floral features of family Myrtaceae.
8. How do ethnobotanical studies help to conserve indigenous knowledge?
9. Provide the binomial and family of pepper, ginger and asafoetida. Mention the useful part.
10. List the important oil plants. Give their binomial, family and morphology of useful part.



Part B

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

(6x2=12)

11. Give an account on the range of variations in capitulum.
12. Explain the floral features of Lythraceae.
13. Describe the vegetative and reproductive characters of Aizoaceae.
14. Explain the vegetative and reproductive features of Liliaceae.
15. Give an account on the pollination mechanism in Orchidaceae.
16. Give relevant botanical details of four economically important pulses.
17. List out any four leafy vegetables used in Kerala, giving their binomials and family.
18. Give an account on the importance of Ethnobotany.

Part C

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

(2x5=10)

19. Explain Bessey's system of classification of angiosperms.
20. Explain the role of cytology in angiosperm classification.
21. Write an analytical account on the tools of Taxonomy.
22. What are plantation crops? Give an account on the important plantation crops of Kerala and their various products.