



QP CODE: 25047451



25047451

Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, NOVEMBER 2025

Third Semester

M Sc BOTANY

**Core Course - BY010303 - ANGIOSPERM TAXONOMY, ECONOMIC BOTANY AND
ETHANOBOTANY**

2019 ADMISSION ONWARDS

3C081C15

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

*Weight **1** each.*

1. Write brief account on Ranaian school of thought of origin of angiosperms.
2. Differentiate biological and phylogenetic species concept.
3. What is Cladistics concept of classification?
4. Write brief note on concept of character.
5. Write a short note on Hortus Malabaricus.
6. What is the significance of author citation in nomenclature?
7. List out any four primitive features of Annonaceae.
8. What is meant by syngenesious condition?
9. Write the morphology of useful part of Rubber, Tea and Catechu.
10. Write the taxonomy of plants that are used to obtain fibre.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

*Weight **2** each.*

11. Explain Parallelism and convergence.
12. Explain the principles of indented keys and bracketed keys.
13. Explain the role of herbarium in taxonomy.
14. Discuss the principles of code of botanical nomenclature.





15. Distinguish the following pairs of families using floral characteristics; (i) Rutaceae and Meliaceae (ii) Myrtaceae and Lythraceae.
16. With the help of suitable sketches, discuss the floral characteristics of Apiaceae.
17. Discuss the floral characteristics of Apocynaceae and Asclepiadaceae with suitable sketches.
18. Write an account on the medicinal properties of Serpentine, Aswagandha, Asafoetida.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Compare the conceptual basis of Bessy's system of classification with that of Engler and Prantl's system of classification.
20. Discuss characteristics of the following families: (a) Geraniaceae (b) Rutaceae (c) Vitaceae (d) Sapindaceae
21. Write an essay on the taxonomy and economic importance of major food plants of Kerala.
22. What is ethnobotany and its importance ? Comment on tribals in Kerala.

(2×5=10 weightage)

