



QP CODE: 25022424



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Reg No : .....

Name : .....

**M.Sc DEGREE (CSS) SPECIAL REAPPEARANCE EXAMINATION, APRIL 2025**

**Third Semester**

M.Sc BOTANY

**CORE - BY010303 - ANGIOSPERM TAXONOMY, ECONOMIC BOTANY AND  
ETHANOBOTANY**

2019 ADMISSION ONWARDS

4444661C

Time: 3 Hours

Weightage: 30

**Part A (Short Answer Questions)**

*Answer any **eight** questions.*

*Weight 1 each.*

1. What is the importance of Bentham and Hooker classification in classroom teaching?
2. What are Taxonomic Hierarchy categories?
3. Compare Parallelism and convergence.
4. How DNA barcoding helps in solving taxonomic controversies?
5. What is pollinium?
6. What is ICBN?
7. Write an account of androecium of Acslepiadaceae.
8. Mention the salient features of Scrophulariaceae.
9. Write brief account on economically important fruit plants.
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 different concepts of species.
12. Explain different types of keys used for the identification of plants.
13. Explain the role of herbarium in taxonomy.





14. Write an account on the principle of ICBN.
15. Discuss the floral features in the subfamilies of Leguminosae.
16. Discuss the economic importance of Euphorbiaceae.
17. Discuss the inflorescence of Poaceae.
18. Mention the medicinal properties of *Chebulic myrobalan* and *Belleric myrobalan*.

(6×2=12 weightage)

**Part C (Essay Type Questions)**

Answer any **two** questions.

Weight **5** each.

19. Enumerate and discuss Engler and Prantl's system of classification. Mention its merits and demerits?
20. Explain the floral characteristics of families belongs to Polypetalae of Bentham and Hooker's system.
21. Write an essay on the taxonomy and various products of the important plantation crops of Kerala.
22. Write an essay on the ethnobotanical significance of the common plants used by the important tribal people of Kerala.

(2×5=10 weightage)

