

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2025

(CBCSS - PG)

(Regular/Supplementary/Improvement)

**CC19PBOT3C08 - ANGIOSPERM MORPHOLOGY, ANGIOSPERM TAXONOMY AND PLANT
RESOURCES**

(Botany)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-AAnswer any ***four*** questions. Each question carries 2 weightage.

1. Discuss about the ancestral stocks of Angiosperms.
2. Describe Primitive angiosperm flower.
3. Explain the phenetic and phylogenetic system of classification.
4. Discuss effective publication from valid publication.
5. Discuss a brief account on Madras herbarium.
6. State the history, occurrence, chemical composition and uses of finger millet and pearl millet.
7. State the importance of medicinal Plants.

(4 × 2 = 8 Weightage)**Part-B**Answer any ***four*** questions. Each question carries 3 weightage.

8. Describe nectaries and nector in Plants.
9. Describe phenetics and cladistics.
10. Classify Monophylly from Polyphylly.
11. Explain the correlation of characters in Taxonomy.
12. Summarize important National and International botanical gardens.
13. List the economic importance of sugar yielding Plants.
14. State the history, occurrence and morphology of useful parts and uses of Rubber yielding Plants.

(4 × 3 = 12 Weightage)

Part-C

Answer any ***two*** questions. Each question carries 5 weightage.

15. Give a detailed account of origin and evolution of carpels and placentation types- theories and evidences.
16. Explain the Nominalistic, Taxonomic, Biological and Phylogenetic species concept in plant Taxonomy.
17. Describe an account on the role of cytology in Plant classification.
18. List the occurrence, composition, binomial and family of non alcoholic beverages.

(2 × 5 = 10 Weightage)
