THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2023

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P BOT3 C08 - ANGIOSPERM MORPHOLOGY, ANGIOSPERM TAXONOMY AND PLANT RESOURCES

(Botany)

(2019 Admission onwards)

Time : 3 Hours   Maximum : 30 Weightage

Part-A

Answer any *four* questions. Each question carries 2 weightage.

1. Summarize the current ideas of angiosperm flower.

2. Discuss the role of floral anatomy interpreting the origin and evolution of flower and floral parts.

3. Describe the cladistics in Taxonomy.

4. Describe essentialistic and typological species concept.

5. Discuss a brief account on Madras herbarium.

6. Mention the binomial, family and economic importance of millets

7. Mention any two Sugar yielding Plants and describe its economic Importance.

(4 × 2 = 8 Weightage)

Part-B

Answer any *four* questions. Each question carries 3 weightage.

8. Explain the different views regarding the origin of sterile appendages of angiosperm flower.

9. Describe the concept of essentialism,empiricism and nominalism .

10. Describe the concept of typification and its significance in Nomenclature.

11. Describe the analytical and synthetic character and priori and posteori characters.

12. Summarize important National and International botanical gardens

13. Mention the history, occurrence, morphology of useful part and overall chemical composition of cardamom, nutmeg, cloves and cinnamon.

14. Mention the importance of cotton and coir.

(4 × 3 = 12 Weightage)

Part-C
Answer any *two* questions. Each question carries 5 weightage.

15. Discuss in detail Placentation and its evolution in angiosperms.

16. Explain the concepts of primitive and advanced, Monophylly and Polyphylly, Parallelism and Convergence, homology and analogy in Evolutionary Taxonomy.

17. Describe an account on the role of cytology in Plant classification.

18. State the occurance and importance of Medicinal plants with binomial and uses.

(2 × 5 = 10 Weightage)

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