

23P330

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Name:

Reg.No:

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2024

(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. Describe the role of pollinators in evolution of flowers.
2. Explain the foliar origin of carpel.
3. Describe the concept of Essentialism.
4. Explain the nominalistic species concept.
5. Explain Priori and Posteriori characters.
6. List the occurrence and composition of coffee, tea and cocoa.
7. List the pharmacognosic properties of Adathoda.

(4 × 2 = 8 Weightage)

Part-B

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

8. Describe the theories regarding the origin of angiosperms.
9. Explain the aims and principles of Plant taxonomy.
10. Explain convergence and its importance in Taxonomy.
11. Explain numerical system of classification and cite the principles in numerical Taxonomy.
12. Make a note on Herbarium Preparation.
13. Mention the binomial, family morphology of useful parts and economic importance of oil yielding plants.
14. Cite the binomial, family, history, occurrence and importance of Pararubber.

(4 × 3 = 12 Weightage)

Part-C

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

15. Explain the role of floral anatomy in the interpretation of origin and evolution of flower and floral parts.
16. Summarize the principles, rules and recommendations of ICBN.

17. State the activities and responsibilities of BSI and add a note on the importance of BSI in taxonomic studies in India.
18. Cite the economic importance of cereals and pulses. Mention their commercial and botanical names.

(2 × 5 = 10 Weightage)
