

18P338

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Name.....

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2019

(Regular/Supplementary/Improvement)

(CUCSS-PG)

CC15P BO3 C10/ CC18P BO3 C10

ANGIOSPERM MORPHOLOGY, TAXONOMY AND PLANT RESOURCES

(Botany)

(2015 Admission onwards)

Time: Three Hours

Maximum: 36 Weightage

I. Answer *all* questions very briefly:

1. Primitive angiosperm flower.
2. Foliar origin of Carpel.
3. Nectarines and Nectar.
4. Intraspecific categories.
5. Distinguish Apomorphy from Plesiomorphy.
6. Monographs and Revisions.
7. Differentiate Holpotye from Lectotype.
8. CAL.
9. DNA bar-coding in plants.
10. Correlation of Characters.
11. Pharmacognostic properties of *Saraca*.
12. Turmeric.
13. Give botanical names and families of two Sugar yielding plants.
14. Wood apple.

(14 x 1 = 14 Weightage)

II. Answer any *seven* questions each in not more than 100 words:

15. Write the binomial, family and morphology of useful parts of any four oil yielding plants.
16. Elucidate the chemical and pharmacognostic properties of Neem and *Catharanthes*.
17. Enumerate the economic importance of Timber yielding plants.
18. Briefly explain the co-evolution of flowers and pollinators.
19. Explain the evolution of Placentation in plants.
20. Explain artificial and natural system of classification with examples.
21. Explain the procedure of Numerical taxonomy.

22. Give a detailed account on effective and valid publication.
23. Explain the Monophyly and Polyphyly and Parallelism and Convergence.
24. Briefly explain the steps involved in preparing Herbarium and their importance.

(7 x 2 = 14 Weightage)

III. Answer any *two* questions in 300 words:

25. Give an account on the theories regarding origin and diversification of angiosperms.
26. What are the contributions of Cytotaxonomy, Chemo Taxonomy, Biosystematics and numerical Taxonomy.
27. What is ICBN? Write an essay on its principles, rules and regulations with recent updates.
28. Write an essay on the history, occurrence and morphology of useful parts of Spices and Condiments.

(2 x 4 = 8 Weightage)
