

17P338

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Name.....

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2018

(Regular/Supplementary/Improvement)

(CUCSS - PG)

**CC15P BO3 C10 - ANGIOSPERM MORPHOLOGY, TAXONOMY AND
PLANT RESOURCES**

(Botany)

(2015 Admission onwards)

Time : Three Hours

Maximum : 36 Weightage

1. Answer *all* questions. Each question carries 1 weightage.

1. Define convergence.
2. Differentiate analytical and synthetic character.
3. Indian Myrobalans.
4. Explain DNA bar coding in plants.
5. Differentiate paratype from lectotype.
6. Comment on essentialism.
7. Give botanical name and family of para rubber.
8. Explain ancestral stocks of Angiosperms.
9. Rejection of plant names.
10. Define OTUS
11. Sugar yielding plants.
12. Describe correlation of character.
13. What is valid publication?
14. Define parallelism.

(14 x 1 = 14 Weightage)

II Answer any *seven* questions. Each question carries 2 weightage.

15. Evaluate the theory of Gnetalian origin of Angiosperm.
16. Explain monograph.
17. Evaluate role of botanical garden in plant taxonomy.
18. Elucidate BSI and its objectives.
19. Explain the concept of typification and its significance.

20. Write the binomial, family and morphology of useful parts of two fibre yielding plants.
21. Explain foliar origin of carpels.
22. What is placentation? Discuss the evolution of placentation types.
23. Explain taxonomic hierarchy.
24. Write short account regarding regional and national Herbaria of India.

(7 x 2 = 14 Weightage)

III Answer any *two* questions. Each question carries 4 weightage.

25. Elucidate modern trends in plant taxonomy.
26. Give an account on the role of cytology in plant classification.
27. Evaluate the economic importance of cereals and pulses. Mention their commercial and botanical names.
28. Explain the role of floral anatomy in the interpretation of origin and evolution of flower and floral parts.

(2 x 4 = 8 Weightage)
