

20P330

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Name:

Reg. No:

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2021

(CBCSS-PG)

(Regular/Supplementary/Improvement)

CC19P BOT3 C08 - ANGIOSPERM MORPHOLOGY, TAXONOMY AND PLANT RESOURCES

(Botany)

(2019 Admission onwards)

Time: Three Hours

Maximum: 30 Weightage

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

1. Describe the concepts of Essentialism.
2. Write a note on taxonomic heirarchy.
3. Define the concept of polyphyly and monophyly.
4. Explain the concept of primitive flower.
5. Define biological concept of species.
6. Note on starch yielding Plants.
7. Explain the DNA barcoding in plants.

(4 × 2 = 8 Weightage)

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

8. Describe interspecific and intraspecific categories.
9. Explain the Co-evolution of flowers vis-à-vis pollinators.
10. Define numerical classification and explain the principles in numerical taxonomy.
11. Write an account on origin and evolution of flowers in angiosperms.
12. Enumerate timber yielding plants you have studied.
13. Explain the evolution of placentation in plants.
14. Write the binomial, family and morphology of useful parts of any four oil yielding Plants.

(4 × 3 = 12 Weightage)

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

15. Write an account on rules and recommendations of ICBN
16. Briefly describe the modern trends in Plant taxonomy.
17. Write an essay on history, occurrence and morphology of useful parts of spices and condiments.
18. Explain the various concepts in angiosperm flower origin and evolution.

(2 × 5 = 10 Weightage)
