

Reg. No

Name

23U508

B. Sc. DEGREE END SEMESTER EXAMINATION : NOVEMBER 2023

SEMESTER 5 : BOTANY

COURSE : 19U5CRBOT5 : ANGIOSPERM SYSTEMATICS AND ECONOMIC BOTANY

(For Regular 2021 Admission and Supplementary 2020/2019 Admissions)

Time : Three Hours

Max. Marks: 60

PART A

Answer All (1 mark each)

1. What is the binomial of Sunflower?
2. Write the binomial and family of Ginger.
3. Write botanical names of two medicinal plants used by tribals.
4. What is the binomial of Ivy gourd?
5. What is meant by epihypogynous condition?
6. What is meant by apomorphy?
7. Write the morphology of useful part of Tea.
8. What is the standard size of a herbarium sheet.

(1 x 8 = 8)

PART B

Answer any 6 (2 marks each)

9. What is root nodule? Mentions its function.
10. Write the binomial of two pulses.
11. Write an account on the vegetative features of Rubiaceae.
12. Comment the Linnaeu's system of classification?
13. Write the binomial of two plants used for shelter by village folks.
14. How floral diagrams differ from floral formulas?
15. What is Sagittate anther?
16. Write the family name and binomial of custard apple
17. Write the family name and binomial of Coriander.
18. What is connivent anther? Give an exmple.

(2 x 6 = 12)

PART C

Answer any 4 (5 marks each)

19. What are the principls and preamble of ICBN 1983?
20. With the help of suitable diagram explain the floral features of ray floret.
21. Using schematic diagrams explain various symmetries found in angiosperm flowers.
22. Explain the floral features of Rutaceae.
23. Write the binomial, family and morphology of useful part of four spices.
24. Explain the floral features of Fabaceae.

(5 x 4 = 20)

PART D

Answer any 2 (10 marks each)

25. Describe the interdisciplinary approaches in taxonomic studies.
26. With the help of suitable diagrams explain the floral features of Malvaceae. Write an account on the economic importance of this family.
27. "Write an essay on following groups of plants based on their uses with special reference to the botanical name, family and morphology of useful part; two gum yielding, two beverage, one sugar yielding and one rubber yielding plant."
28. Explain the dendrological characters of family Asteraceae. Comment on the economic importance of this family.

(10 x 2 = 20)