

Reg. No

Name

22U351

B. Sc. DEGREE END SEMESTER EXAMINATION : OCTOBER 2022

SEMESTER 3 : COMPLEMENTARY BOTANY FOR B Sc ZOOLOGY

COURSE : 19U3CPBOT3 : ANGIOSPERM TAXONOMY AND ECONOMIC BOTANY

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

Time : Three Hours

Max. Marks: 60

PART A

Answer All (1 mark each)

1. Provide binomial of any one economically important species from the family Annonaceae.
2. Give any two examples for pulses.
3. Name a family in which monadelphous stamens are seen.
4. What is bilabiate corolla?
5. Give an example of drupe and berry.
6. What is the major use of Teak?
7. What is polycarpic condition?
8. Name a plant used as a brain stimulant.

(1 x 8 = 8)

PART B

Answer any 6 (2 marks each)

9. List various uses of Black Pepper.
10. Explain the androecium in Lamiaceae
11. Differentiate between Inferae and Bicarpellatae.
12. What is syncarpous condition?
13. What is a filed note book?
14. What is binomial nomenclature? Give an example.
15. Prepare a list of any two spices used in your kitchen giving their common name and binomial.
16. Briefly explain the significance of chemotaxonomy.

(2 x 6 = 12)

PART C

Answer any 4 (5 marks each)

17. Briefly explain different types of cymose inflorescence with examples.
18. Discuss the merits and demerits of Bentham and Hookers system of classification.
19. Compare the floral features of disc floret and ray floret.
20. Explain the salient features of the family Malvaceae.

21. Discuss the properties and benefits of the medicinal plant, *Phyllanthus amarus*.
22. Evaluate the merits and demerits of neem extract as a biopesticide. **(5 x 4 = 20)**

PART D

Answer any 2 (10 marks each)

23. Compare the floral features of the families Fabaceae, Caesalpiaceae and Mimosaceae.
24. Asteraceae is considered as one of the advanced family in Dicotyledons. Justify.
25. Give the binomial families, morphology of useful part, economic products and uses of any two fibre yielding and timber yielding plants.
26. Write an essay on different types of inflorescences. Cite examples for each type.

(10 x 2 = 20)