

TB206170W

Reg. No :

Name :

B. Sc. DEGREE (C.B.C.S.) EXAMINATION, MARCH 2023
(2020 Admission Regular, 2019, 2018 Admissions Supplementary)
SEMESTER VI - CORE COURSE (BOTANY)

BO6B11B18 - ANGIOSPERM MORPHOLOGY, TAXONOMY AND ECONOMIC BOTANY

Time : 3 Hours

Maximum Marks : 60

Part A

I. Answer any Ten questions. Each question carries 1 mark

(10x1=10)

1. What is synandrous stamen?
2. Define syconus.
3. Define syngenesious stamen.
4. What is venation?
5. What are botanical gardens?
6. Presence of stylopodium above the ovary is a feature of which family?
7. What are staminodes?
8. List out two plants belonging to the family Verbenaceae.
9. Write the floral formula of an actinomorphic, bisexual flower with 5 free sepals, 5 united petals, 5 epipetalous stamens, 3 united carpels in a superior ovary.
10. What is the binomial of *Ixora*?
11. Write the family name of Cardamom.
12. Name a tribal community of Kerala.

Part B

II. Answer any Six questions. Each question carries 5 marks

(6x5=30)

13. What is an aggregate fruit? Describe the types of aggregate fruits with examples.
14. Explain different types of compound leaves?
15. With suitable diagrams explain the structure of a leaf.
16. Enlist the principles of ICBN.
17. Diagrammatically explain the inflorescence in Gramineae.
18. Briefly explain key characters of family Scrophulariaceae.
19. Compare and contrast androecium in Malvaceae and Asclepiadaceae.
20. Write the binomial, family and morphology of useful part of two cereals.
21. Explain the ethnobotanical significance of *Trichopus*.

Part C

III. Answer any Two questions. Each question carries 10 marks

(2x10=20)

22. Write an essay on the modifications of leaves with suitable examples.
23. Write an essay on Bentham and Hooker system of classification.
24. Describe the characters of Asteraceae. Why is the family considered advanced?
25. Explain the binomial, family and morphology of useful parts of Gums and resins that you have to study.