

(Pages : 4)

M – 1510

Reg. No. :

Name :

Fifth Semester B.Sc. Degree Examination, December 2021

First Degree Programme under CBCSS

Botany

Core Course IX

BO 1541 : ANGIOSPERM MORPHOLOGY, SYSTEMATIC BOTANY, ECONOMIC BOTANY, ETHNOBOTANY AND PHARMACOGNOSY

(2018 Admission)

Time : 3 Hours

Max. Marks : 80

(Draw diagrams wherever necessary)

SECTION – A

- I. Answer **all** questions in **one** word or **two** sentences. **Each** question carries **1** mark.
1. Name the type of fruit in *Capsicum*.
 2. What is epigynous condition?
 3. Write the botanical name of rubber.
 4. Write the family of *Tulipa australis*.
 5. Write the floral formula of Annonaceae.
 6. Define didynamous stamen.
 7. Which is the source of Asafoetida?

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8. List out two uses of Bermuda grass.
9. What is a floral formula?
10. Which is the family of *Aegle marmelos*?

(10 × 1 = 10 Marks)

SECTION – B

- II. Answer any **eight** questions. **Each** question carries **2** marks. (Answer not to exceed **one** paragraph)
11. Write on swollen axile placentation with example.
 12. Explain imbricate aestivation with diagram.
 13. Write on any one dye yielding plant studied by you.
 14. Draw and explain the structure of translator.
 15. Write on head inflorescence. What are the advantages?
 16. Describe the androecium of *zingiberaceae*.
 17. What are the uses of *Ocimum sanctum*?
 18. Write on the reproductive characters of Papilionaceae.
 19. List out the identifying features of Nymphaeaceae.
 20. What are the primitive characters of Malvaceae?
 21. List out the identifying characters of Acanthaceae.
 22. Write notes on food uses of Euphorbiaceae.
 23. Describe the gynoecium in water lily family.
 24. Write on epicalyx variation in Malvaceae.

25. Describe the gynoecium in Myrtaceae.
26. Write the systematic position of family Sapotaceae.

(8 × 2 = 16 Marks)

SECTION – C

III. Answer any **six** questions. **Each** question carries **4** marks. (Answer should not exceed **120** words)

27. Explain floral diagram. Draw the floral diagram of rubiaceae and label the whorls and show anterior and posterior sides.
28. Write on artificial system of classification.
29. Explain binomial nomenclature.
30. Write on the economic botany of medicinal plants.
31. Write on adnation of solanaceae.
32. Describe the female flower of cucurbitaceae.
33. What are the advanced features of the family Verbenaceae?
34. Write on molecular taxonomy.
35. Explain the economic importance of Rutaceae.
36. List out the advanced and primitive characters of Anacardiaceae.
37. Explain placentation types.
38. Explain different types of corolla.

(6 × 4 = 24 Marks)

SECTION – D

- IV. Answer any **two** questions. **Each** question carries **15** marks. (Answer not to exceed **three** pages).
39. Write an essay on botanical gardens and their functions. Add a note on important botanical gardens.
40. What is a fruit? Explain the different types of fruits you have studied.
41. Discuss on the sources of crude drugs with examples
42. Explain the vegetative and reproductive characters of Arecaceae.
43. Give a detailed account on Bentham and Hooker system of classification.
44. Write an essay on musaceae family.

(2 × 15 = 30 Marks)
