

Reg. No. : .....

Name : .....

**Fifth Semester B.Sc. Degree Examination, December 2022**

**First Degree Programme under CBCSS**

**Botany**

**Core Course**

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

**(2014-2017 Admission)**

Time : 3 Hours

Max. Marks : 80

- I. Answer the following questions. **All** questions carry **equal** marks.
1. Gynobasic style is characteristic of which family.
  2. What is binomial nomenclature?
  3. Actinomorphic and spirocyclic flowers are present in which family?
  4. What is Hypanthodium?
  5. What is meant by zygomorphic flowers?
  6. The type of fruit in Custard apple is?
  7. Which has been considered to be the basic unit of all taxonomic work?
  8. Name a Rhizome that is used as a crude drug.
  9. Who is the father of pharmacognosy?
  10. Which traditional medicinal grass used by tribes for indigestion and the treatment of wounds?

**(10 × 1 = 10 Marks)**

P.T.O.

II. Answer **any eight** of the following:

11. Differentiate between cohesion and adhesion.
12. Write the binomial, family, useful part and uses of the spices you have studied.
13. Write short note on floral diagram.
14. What are the advantages of the herbarium?
15. Give the economic importance of family Solanceae.
16. Write an account on Author citation.
17. What is the role of pharmacognosy?
18. What is *Cynodon dactylon* used for?
19. What are the methods to collect ethnobotanical data?
20. Explain the uses of *Trichopus zeylanicus*.
21. What is *Vinca rosea* used for?
22. Explain molecular taxonomy.

**(8 × 2 = 16 Marks)**

III. Answer **any six** of the following:

23. What is artificial system of classification? Give an example.
24. Describe multiple fruit with a neat labeled diagram.
25. Write the peculiarities of a typical Euphorbiaceae flower.
26. "Flower is a modified shoot". Discuss.
27. Differentiate between Drupe and Berry. Give example for each.

28. What are the important vegetative characters of Liliaceae?
29. What are the health benefits of *Aegle marmelos*?
30. Write an account on the major cereals and pulses cultivated in Kerala, citing examples.
31. What are the floral characters of family Apocynaceae?

**(6 × 4 = 24 Marks)**

IV. Write essay on **any two** of the following:

32. Describe the salient features of Poaceae with the help of suitable diagrams. Justify its position as the last family of Angiosperms.
33. Enumerate the different types of inflorescence in Angiosperms citing suitable examples and diagrams.
34. What is herbarium? Write an essay on herbarium technique and its significance. Mention two major herbaria in India.
35. Write an essay on the significance of Ethnobotany in present times.

**(2 × 15 = 30 Marks)**

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