

Q.P. Code – 42537

Fifth Semester B.Sc. Degree Examination, October/November 2019

(CBCS Scheme)

Botany

Paper V — TAXONOMY OF ANGIOSPERMS, ECONOMIC BOTANY AND ETHNOBOTANY

Time : 3 Hours]

[Max. Marks : 90

Instructions to Candidates :

- 1) Answers all Parts.
- 2) Draw diagrams whenever necessary.

PART - A

I. Answer any **TEN** of the following :

(10 × 2 = 20)

1. Mention two principles of ICBN.
2. What is resupination? Give an example.
3. Name any two International Botanical gardens.
4. What is Tetradynamous stamens? Name the family where it is present.
5. Write Botanical name, part used and uses of Bengal gram.
6. What is Gynobasic style? Mention the family where it is found.
7. Differentiate between Actinomorphic and Zygomorphic flower.
8. Mention the part used and therapeutic uses of Terminalia Chebula.
9. What is Aestivation? Mention its types.
10. Write Botanical name, family, part used and uses of coir.
11. What is Pome? Give an example.
12. Mention Merits of Bentham and Hooker's system of classification.

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**PART – B**

II. Answer any **SIX** of the following : **(6 × 5 = 30)**

13. Explain Herbarium techniques.
14. List key characteristics of Asclepiadaceae.
15. Give an account cladistics.
16. Describe Tendrils of Cucurbitaceae.
17. Give an account of Ethnobotanical importance of *Rauwolfia serpentina* and *Hemidismus indicus*.
18. Write Botanical name, family, part used and economic importance of perfumes you have studied.
19. Explain Cyathium.
20. Write a note on effective and valid publication.

**PART – C**

III. Answer any **FOUR** of the following : **(4 × 10 = 40)**

21. Give a comparative account of the families Magnoliaceae and Annonaceae.
22. Explain economic importance of spices and condiments.
23. Describe Engler and Prantl's system of classification.
24. Write salient features of Arecaceae and Solanaceae.
25. Give an account of :
  - (a) Flora and it's importance.
  - (b) Medicinal value of *Boerhaavia diffusa* and *phyllanthus emblica*.
26. Write a note on :
  - (a) Fruits of Rosaceae.
  - (b) Cytotaxonomy.