

Reg. No. :

Name :

Sixth Semester B.Sc. Degree Examination, April 2023
Career Related First Degree Programme under CBCSS

Botany and Biotechnology

Core Course

BB 1642 : ECONOMIC BOTANY, ETHNOBOTANY AND MEDICINAL BOTANY

(2019 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer all questions in one word or sentence.

1. Give binomial and family of a plant that yield resin.
2. Give the binomial of two pulses.
3. Give the binomial and family of Henna.
4. Write the morphology of useful part of cotton.
5. What is the need for conservation of medicinal plants?
6. Give medicinal value of *Rauvolfia serpentina*.
7. What is the extraction procedure used for the production of herbal drugs?
8. Define pharmacognosy.
9. Name two ancient medicines studied.
10. List any two source of crude drugs.

(10 × 1 = 10 Marks)

P.T.O.

SECTION – B

Answer any **eight** questions, Short Answer (Not to Exceed One Paragraph).

11. Discuss the economic importance of coffee.
12. What is the morphology of the useful part of paddy?
13. Explain the utility of banana.
14. Give the botanical description of pineapple.
15. Discuss the methods of cultivation of wheat.
16. What are the medicinal properties of *Aloe vera*?
17. Brief a note on any two spices.
18. What is the role of NMPB in conservation and cultivation of medicinal plants?
19. Discuss the extraction procedure for producing herbal drugs.
20. Describe the morphological characteristics of cotton.
21. Explain the scope of pharmacognosy.
22. Compare and contrast Ayurveda and Unani medicines.

(8 × 2 = 16 Marks)

SECTION – C

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

23. Explain the significance of Economic Botany and how it contributes to the economy.
24. Discuss the methods used to collect ethnobotanical data.

25. Describe the medicinal properties of *phyllanthus amarus* and its role in traditional medicine.
26. Discuss the importance of conservation and management of plant resources from an Ethnobotanical perspective.
27. Compare and contrast the production procedures for different types of herbal drugs.
28. Explain the importance of coconut in kerala.
29. Discuss the economic importance of Cotton as a fiber yielding plant.
30. Explain the significance of Asafoetida as a spice and resin.
31. Discuss the ethnobotanical importance of *Trichopus zeylanicus*.

(6 × 4 = 24 Marks)

SECTION – D

Answer any **two** questions. Each question carries **15** marks. (Answer not to exceed three pages)

32. Analyze the role of national institutes in the conservation and cultivation of medicinal plants.
33. Discuss the use of common plants used by tribes of kerala.
34. Write the binomial, family, morphology of the useful part and uses of any five vegetables.
35. Discuss the practice of paddy cultivation and its economical importance:

(2 × 15 = 30 Marks)