

Reg. No. :

Name :

Sixth Semester B.Sc. Degree Examination, April 2024
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** the questions in **one** word or sentence.

1. What is economic botany?
2. Name any two major crops of Kerala.
3. Give the binomial of Ragi.
4. Name a plant that is commonly used as an insecticide.
5. Define ethnobotany.
6. Name three methods for collecting ethnobotanical data.
7. Name any two plants used as food by tribes of Kerala.
8. Which organization plays major role in the conservation of medicinal plants?
9. Name two sources of crude drugs.
10. What is Pharmacognosy?

(10 × 1 = 10 Marks)

P.T.O.

SECTION – B

Answer any **eight** questions, short answer. (Not to exceed 1 paragraph).

11. Describe the methods of cultivation for paddy with reference to its economic importance.
12. Write the morphology of useful parts of the following plants : pineapple, tomato, and common bean.
13. What is the significance of *Aegle marmelos* in tribal life? List its medicinal properties.
14. Comment on Acupuncture.
15. Explain the role of CSIR-CIMAP in the conservation and cultivation of medicinal plants.
16. List the medicinal properties of *Adhatoda vasica*.
17. Explain different methods of extraction for producing herbal drugs.
18. How does adulteration of drugs occur? What are its effects?
19. Discuss various methods to collect ethnobotanical data.
20. Mention the economic uses of coconut.
21. Write the morphology of useful parts of sugarcane. What is its economic importance?
22. How is the fiber from cotton plants utilized in everyday life?

(8 × 2 = 16 Marks)

SECTION – C

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

23. Describe the jackfruit and its economic importance.
24. Discuss various plant parts used by tribes of Kerala in agriculture and medicine.
25. Discuss the medicinal properties of *Acorus Calamus*.
26. Discuss the importance of sacred groves in the conservation of medicinal plants.
27. How is the oil from sesame plants used? What is its economic importance?

28. What are the medicinal properties of *Andrographis paniculata*? How is it used in traditional medicine?
29. Explain the economic Importance of wheat. How is it cultivated?
30. Describe the botanical description of the fruit of citrus plant, and its economic uses.
31. Discuss the significance of pharmacognosy in modern healthcare.

(6 × 4 = 24 Marks)

SECTION – D

Answer any **two** questions. Each question carries 15 marks. (Answer not to exceed 3 pages)

32. Write an essay on the cultivation and morphology of coconut in Kerala.
33. Explain the significance of ethnobotany in the conservation and management of plant resources.
34. Write an essay on medicinal properties of rhizome plants with examples.
35. Discuss the role of traditional medicine in modern healthcare and its significance.

(2 × 15 = 30 Marks)