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N – 1593

Reg. No. : .....

Name : .....

**Sixth Semester B.Sc. Degree Examination, April 2022**

**Career Related First Degree Programme under CBCSS**

**Group 2(a) Botany and Biotechnology**

**Core Course**

**BB 1642 : ECONOMIC BOTANY, ETHNOBOTANY AND MEDICINAL  
BOTANY**

**(2019 Admission)**

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer **all** questions in a word or **one** or **two** sentences. **Each** question carries **1** mark.

1. Give the binomial of pepper.
2. What is the morphology of useful part in cotton?
3. Name a resin yielding plant.
4. Write the binomial of a plant having insecticidal properties.
5. Expand ICAR.
6. Name any two tribes residing in Kerala.
7. Which is the source plant of reserpine?

P.T.O.

8. Name two plants having roots with medicinal importance
9. What is BSI located?
10. Name the plants used by tribes for shelter

**(10 × 1 = 10 Marks)**

SECTION – B

Answer any **eight** questions. **Each** question carries **2** marks. Answer not to exceed **one** paragraph.

11. List the ethnobotanical use *Trichopus zeylanicus*.
12. Mention the binomial and morphology of useful part of two plants used as spices.
13. What is reflux extraction?
14. Discuss the role of NMPB in taxonomy research.
15. What are the medicinal uses of *Cucrcuma*?
16. What is maceration?
17. Mention the binomial of any four gourd vegetables.
18. What is the scope of pharmacognosy?
19. Discuss the medicinal value of *Saraca indica*.
20. Define ethnobotany.
21. What are the causes for drug adulteration?
22. What is decoction method of extraction?
23. Differentiate between cereals and millets.

24. What is a Soxhlet apparatus?
25. What are the applications of supercritical fluid extraction?
26. Write the binomial and family of black gram.

**(8 × 2 = 16 Marks)**

SECTION – C

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

27. What is maceration? Explain its types.
28. Discuss the medicinal importance of *Asparagus* and *Hemidesmus*.
29. What is the role of ethnobotany in plant resource management?
30. Explain the methods of ethnobotanical data collection.
31. What are the methods of drug adulteration?
32. Write a brief description on Homeopathic system of medicine.
33. Explain the importance of *Aegle marmelos* and *Cynodon dactylon* in tribal medicine.
34. Explain the contribution of NBGRI in plant resource management and conservation.
35. What are the ideal properties of solvents to be used in drug extraction process?
36. Write a short note on economic importance of Neem plant.
37. Discuss the strategies adopted for protecting sacred groves.
38. Write the ethnobotanical importance of *Ficus religiosa*.

**(6 × 4 = 24 Marks)**

## SECTION – D

Answer any **two** questions. (Not more than three pages). **Each** question carries **15** marks.

39. Explain various drug sources from plant parts with suitable examples.
40. Explain the role played by various organizations towards conservation of plant genetic resources.
41. Discuss the binomial and economic value of any five medicinally important plants.
42. What are sacred groves? Discuss its significance and need for conservation.
43. Explain the cultivation methods of paddy.
44. Describe various techniques used for drug extraction.

**(2 × 15 = 30 Marks)**

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