



MAR IVANIOS COLLEGE (AUTONOMOUS)
THIRUVANANTHAPURAM

Reg. No. :

Name :

Sixth Semester Career Related B.Sc. Degree Examination, April 2018

First Degree Programme under CBCSS

Core Course – X: (for Botany and Biotechnology)

AUBB642: Economic Botany, Ethnobotany & Medicinal Botany

(for *Reappearance* – 2014 Admn. only)

Time: 3 Hours

Max. Marks: 80

SECTION – A

Answer **ALL** the following in a word or one or two sentences.

1. Maceration.
2. Define pharmacognosy.
3. Botanical name of coffee.
4. NBRI.
5. Write the binomial of any two vegetable crops you have studied.
6. Name any two tribes in Kerala.
7. Morphology of useful part of cotton.
8. Define ethnobotany.
9. Importance of *Cynadon dactylon*.
10. Acupuncture.

(10 × 1 = 10 Marks)

SECTION – B

Answer any **EIGHT** questions, not exceeding a paragraph.

11. Write the binomial, family and morphology of useful part of henna.
12. Enlist the plants used by tribes for food.
13. Write the methods of extracting oil from plant.
14. Explain about Soxhlet extraction.
15. Discuss the role of BSI in conservation and cultivation of medicinal plants.
16. Name two hybrid varieties of paddy.
17. Give the botanical names of wheat and ragi.

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18. Name any two drugs obtained from flowers.
19. Enumerate the uses of cucumber.
20. Discuss the ethnobotanical importance of *Aegle marmelos*.
21. Give the binomial, family and morphology of useful part of pineapple.
22. Write the methods of cultivation of aswagandha (*Withania somnifera*).

(8 × 2 = 16 Marks)

SECTION – C

Short essay type : Answer any SIX questions.

23. Explain the various methods followed for drug adulteration.
24. Compare and contrast the ayurvedic and homeopathic treatment systems.
25. Discuss the importance and significance of ethnobotany.
26. Discuss the medicinal importances of *Ficus religiosa* and *Ocimum sanctum*.
27. Explain the various cultivation methods of paddy.
28. Write down the binomial, family, morphology of useful part and uses of pepper and cardamom.
29. Describe the different types of extraction techniques used to prepare herbal drugs.
30. Explain the economic importances of sugar cane and banana.
31. Give an account on any two pulse crops you have studied.

(6 × 4 = 24 Marks)

SECTION – D

Long essay type : Answer any TWO questions.

32. Write an essay on the significance of preservation of sacred groves.
33. Give an account on crude drugs obtained from various plant parts with suitable examples.
34. Explain the various methods of cultivation and economic importances of coconut.
35. Discuss the various methods followed to collect ethnobotanical data.

(2 × 15 = 30 Marks)