



(Pages : 3)

G – 1599

Reg. No. :

Name :

Sixth Semester B.Sc. Degree Examination, April 2019
(Career Related First Degree Programme under CBCSS)
Group 2 (a) : Botany and Biotechnology
BB 1642 : ECONOMIC BOTANY, ETHNOBOTANY AND
MEDICINAL BOTANY
(2015 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer **all** questions in a word or **one** or **two** sentences. **Each** question carries **1** mark.
Draw diagrams only if specified in the question.

1. Write the morphology of useful part of Paddy.
 2. Give the binomial of Asafoetida.
 3. Name the family in which bitter gourd belongs.
 4. Give the binomial of a plant used by tribes for clothing.
 5. Expand ICAR.
 6. Write the binomial of Aswagandha.
 7. Where is the headquarters of BSI located ?
 8. Who is known as father of Indian ethnobotany ?
 9. Name the major chemical principle obtained from turmeric.
 10. Which is the oldest written medicinal system ?
- (10×1=10 Marks)**

P.T.O.



SECTION – B

Answer **any eight** of the following (answer **not** to exceed **one** paragraph). Each question carries **2** marks.

11. Give the economic importance of Paddy.
12. Write the Binomial and family of the following.
 - a) Tapioca
 - b) Cotton.
13. What is the importance of ethnobotanical studies ?
14. Give the names of any two tribes in Kerala.
15. Explain the plant parts used by tribes for shelter.
16. Write down the medicinal values of two bulbous medicinal plants you have studied.
17. Name the major chemical principles obtained from *Rauvolfia serpentina*.
18. Define pharmacognosy.
19. What is shifting cultivation ?
20. Explain the ethnobotanical implications of *Aegle marmelos*.
21. Write the binomial of Neem. Mention its uses.
22. Define ethno-pharmacology.

(8×2=16 Marks)

SECTION – C

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

23. Write Binomial, family and morphology of useful part of the pulses and spices you have studied. Add a note on its utility.
24. Write an account on sacred groves.



25. Explain the plant parts used by tribes as food and for clothing.
26. Give an account on common fruits used in Kerala.
27. Explain the medicinal value of the following :
 - a) Asparagus
 - b) Sarpagandha
 - c) *Catharanthes roseus*
 - d) *Aloe Vera*.
28. Explain the role of NMPB in conservation and cultivation of medicinal plants.
29. Briefly explain the different categories of ethnobotanical studies.
30. List various sources of crude drugs obtained from plants. Cite one example for from each.
31. "Ethnobotanical studies are significant". Explain. (6×4=24 Marks)

SECTION – D

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

32. Give an account on the method of cultivation, morphology of useful part and economic importance of Coconut.
 33. Describe in detail the role of ethnobotany in the conservation and management of plant resources.
 34. Briefly describe traditional and modern systems of Medicine.
 35. Define herbal drugs. Briefly outline the various extraction procedures for herbal drugs production. (2×15=30 Marks)
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