

2023
B.A./B.Sc.
Third Semester
CORE – 6
BOTANY
Course Code: BOC 3.21
(Economic Botany)

Total Mark: 70
Time: 3 hours

Pass Mark: 28

Answer five questions, taking one from each unit.

UNIT-I

1. Explain the important features of the eight centres of origin of cultivated crops. What is the significance of Vavilov's contribution to the concept of centres of origin? 8+4=14
2. Explain the methods of potato propagation highlighting the advantages and limitations of each method. Mention two uses of potato. 12+2=14

UNIT-II

3. Explain the monophyletic and polyphyletic origin of rice. Describe the morphology of rice plant. Comment on the importance of rice from the perspective of global food security. 6+6+2=14
4. Discuss in detail the processing of black tea. How is green tea different from black tea? 12+2=14

UNIT-III

5. Explain the series of activities involve in jhum cultivation practice. Give a critical view on sustainability of jhum cultivation. 10+4=14
6. Describe the wet terrace cultivation practice in Nagaland. Mention its importance from present agriculture context in Nagaland. 10+4=14

UNIT-IV

7. What are essential oils? Briefly explain the different methods of extraction of essential oils. 2+12=14
8. Write notes on the following: 7×2=14
- (a) Drying, semi-drying and non-drying oil
 - (b) Groundnut

UNIT-V

9. Define fumitories and masticatories. Explain the different methods of curing tobacco. 2+12=14
10. Give the botanical name and family of opium poppy. Briefly explain the lancing and collection of opium. Add a note on it as therapeutic and habit-forming drug. 2+8+4=14
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