

**QUESTION BANK**  
**SEMESTER IV**

Additional Questions

BOT-A-CC-4-9 TH

**Economic Botany**

Short Answer Type Questions :(2 Marks)

1. What is Beverage? Give example.
2. Write the scientific name and family of tea of Commerce.
3. Name the major operations necessary for processing of black tea.
4. State the uses of tea.
5. What is CTC method of tea processing?
6. What is the objective of firing step of black tea processing?
7. Name the major commercial varieties of tea.
8. What is Essential oil? Give an example.
9. What is fatty oil? Give an example.
10. What is drying oil? Give example.
11. Give the scientific name and family of coconut.
12. Write the scientific name and family of soybean.
13. Give two uses of soybean oil.
14. Give the scientific name and family of mustard.
15. State two uses of mustard oil.
16. Mention two uses of coconut oil.
17. Distinguish between Timber and lumber?
18. What is Silviculture?
19. Give the scientific name and family of Sal.
20. Give the scientific name and family of teak .
21. What is wood?
22. What are sap wood and heart wood?
23. Give the scientific name and family of cotton.
24. What is lint?
25. What is the scientific name and family of jute?
26. What is the botanical name and family of plant yielding quinine?
27. Give the scientific name of Cinchona and mention its parts used.
28. Name the alkaloids present in the bark of Cinchona.
29. Name the species and family where from tobacco is obtained.
30. Give the scientific name and family of plant where from "charas" is obtained.
31. Name the drug and drug plant used for heart diseases.
32. What is the name of the plant and family where from opium is collected.

Short Note Type Questions: (5 Marks)

1. State the extraction and uses of cotton.
2. Describe the process of retting and extraction of jute.

3. Describe how fibres are classified according to their utilisation.
4. Describe the processing of Black tea.
5. Discuss the processing followed for the manufacture of brick tea.
6. Describe in brief the process of extraction and uses of soybean oil. 2+3
7. Write a note on fatty oil.
8. State the process of extraction and uses of mustard.
9. Explain the process of extraction and parts used of coconut.
10. Give the health implication of mustard and coconut.
11. Give the botanical name, family and uses of Sal.
12. Give the botanical name, family and uses of Teak.
13. Write a note on distribution of Teak in India and its cultivation.
14. Write a note on distribution of Sal in India and its cultivation process.
15. Describe the processing and uses of Cinchona.
16. Describe the processing of tobacco.
17. Describe the uses and health hazards of tobacco.
18. Discuss the health hazards of Cannabis.
19. Discuss the morphology and processing of Cannabis.
20. Describe the morphology and uses of Digitalis.
21. Explain the morphology and uses of Papavar.

### Broad Answer Type Questions: (10 Marks)-

1. Describe the morphology, extraction and uses of cotton. 5+2+3
2. Discuss the morphology of *Corchorus capsularis*. State the process of extraction of jute fibres after harvesting. 4+6
3. Describe the process of extraction of jute and state its uses. 7+3
4. How Timber is different from Lumber? Give a general account on morphology, cultivation and uses of teak plant. 2+3+3+2
5. What is silviculture? Give a general account on morphology, cultivation and uses of Sal. 2+3+3+2
6. What is beverage? Describe the morphology and processing of tea. 2+4+4
7. Give a comparative account of Essential oil and Fatty oil. Explain how fatty oils are classified? 6+4
8. Describe the different methods of extraction of Essential oil. State the uses of Essential oil. 7+3
9. Give the scientific name, family, extraction, uses and health implication of mustard. 1+1+3+3+2
10. Give the botanical name, family, extraction and uses of coconut. 1+1+4+4
11. Discuss the scientific name, family, parts used, extraction and uses of soybean oil. 1+1+2+2+4
12. Describe the morphology of any one species of Cinchona. Write a note on processing and it's main uses. 4+4+2
13. Describe the processing of tobacco and mention it's uses. 6+4
14. Describe the morphology of tobacco and comment on its relation to health hazards in human. 5+5
15. Describe the morphology and processing of Cannabis. 5+5
16. Describe the uses of Cannabis and health hazards due to its consumption. 5+5
17. Describe the morphology, processing and uses of Digitalis. 4+3+3
18. Discuss the morphology, uses and health hazards of Papavar. 5+3+2

SEC-B

BOT-A-SEC-B-4-3)

**PLANT BREEDING**

**Q1.** Define aneuploidy and polyploidy. Write down their significance in plant improvement. Give examples. **(4+8+3=15)**

**Q2.** What do you mean by hybrid vigour? Discuss the dominance and over-dominance hypothesis to explain hybrid vigour. **(2+6+7=15)**

**Q3.** What is back cross method of breeding? Mention the genetic consequences of the method. Write down the procedure and point out its merits and demerits. **(2+7+6=15)**

**Q4.** Discuss the merits and demerits of pure-line selection. Compare mass selection with pure-line selection and explain why pure-line selection has been used more widely than mass selection. **(4+7+4=15)**