

B.Sc. 3rd Semester (Honours) Examination, 2022 (CBCS)**Subject : Botany****Course : CC-VII****(Economic Botany)****Time: 2 Hours****Full Marks: 40***The figures in the margin indicate full marks.**Candidates are required to give their answers in their own words as far as applicable.*

1. Answer any five questions: 2×5=10
- State the importance of germplasm diversity.
 - Distinguish between black tea and green tea.
 - What is Para rubber? Mention its uses.
 - State the importance of legume to man and ecosystem.
 - Write down the scientific name, family, usable parts and uses of fennel.
 - Mention two medicinal use of cannabis. Comment on the health hazard of tobacco.
 - Write down the scientific name, family, usable part and use of teak.
 - What do you mean by essential oil? Mention its uses.
2. Answer any two questions: 5×2=10
- What is CTC tea? Briefly describe the processing of tea. 1+4
 - What do you mean by 'tapping' in rubber production? How is sugarcane processed to form molasses? 1+4
 - Write down the scientific name, family, usable part and two medicinal uses of *Cinchona* and *Digitalis*. (½+½+½+1)×2
 - Mention the scientific name of one legume plants from which vegetable oil is obtained. Write a short note on processing of coffee. 1+4
3. Answer any two questions: 10×2=20
- Schematically represent the origin of bread wheat. Mention the scientific name of two millets. Write down the advantages of millets over conventional cereal crop like rice. 6+1+3
 - Distinguish between the primary and secondary center of origin of crop plants. Name the different center of origins as proposed by Vavilov. Mention the scientific names of two crop plants that originated in India. 2+6+2
 - Write down the scientific name, family, usable parts and uses of pigeon pea and saffron. (1+1+1+2)×2
 - Comment on the morphological nature of cotton and jute fiber. Briefly describe the process of extraction of jute fiber. Discuss the role of microbes in jute retting. 2+5+3