



WEST BENGAL STATE UNIVERSITY
B.Sc. Honours 3rd Semester Examination, 2022-23

BOTACOR06T-BOTANY (CC6)

ECONOMIC BOTANY

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

Candidates should answer in their own words and adhere to the word limit as practicable.

1. Answer *all* the following questions: 1×6 = 6
- (a) What is opium?
 - (b) Name the rice research centre situated in West Bengal.
 - (c) What is meant by 'Bagasse'?
 - (d) What is 'shahi zaafraan'?
 - (e) What are the uses of bast fiber?
 - (f) Write the scientific name of clove.
2. Answer any *eight* of the following questions: 3×8 = 24
- (a) Write a short note on sugarcane processing. 3
 - (b) Differentiate between fats and oils with suitable example. 3
 - (c) Mention the scientific name and nutritional values of pigeon pea. 1+2
 - (d) Discuss the technique of tea processing. 3
 - (e) Mention the uses and health implications of groundnut and mustard. 1½+1½
 - (f) Indicate the difference between spice and condiments with suitable example. 2+1
 - (g) Name the family, part used and economic importance of fennel and black pepper. 1½+1½
 - (h) What are the uses of *Santalum* oil and *Eucalyptus* oil? 1½+1½
 - (i) Classify plant fibres based on origin and examples. 3
 - (j) Explain how latex is processed to obtain natural rubber. 3
 - (k) What is meant by therapeutic and habit forming drug? Give examples. 2+1
 - (l) What is the difference between timber and lumber? Give the family name of sal. 2+1
3. Answer any *two* of the following questions: 5×2 = 10
- (a) Distinguish between essential and fatty oil. Write the process of steam distillation for the extraction of essential oil. 3+2
 - (b) Discuss in detail the extraction process of jute fiber. What are the uses of this fiber? 3+2
 - (c) Describe briefly the different methods of cultivation of rice. Mention a few important uses of rice plant. 3+2

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