



WEST BENGAL STATE UNIVERSITY
B.Sc. Honours 3rd Semester Examination, 2021-22

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.
All symbols are of usual significance.*

1. Answer **all** the following questions: 1×6 = 6
- (a) Write the Vavilov's concept for centre of origin.
- (b) Write two uses of millets.
- (c) What part of clove plant is used as spice?
- (d) Give an example of introduced plant.
- (e) What is meant by maceration process?
- (f) Which is the commercial fibre of jute?
2. Answer any **eight** of the following questions: 3×8 = 24
- (a) Explain the origin and two uses of pigeon pea. 2+1
- (b) Describe briefly the processing of cane sugar. 3
- (c) How is linseed is extracted? 3
- (d) Draw a schematic diagram of classification of fats and oils. 3
- (e) Write the therapeutic uses of cinchona and cannabis. 3
- (f) Write the active constituents and health hazards of *Digitalis* and *Papaver*. 1 $\frac{1}{2}$ + 1 $\frac{1}{2}$
- (g) What do you understand by genetic diversity loss? 3
- (h) Write the scientific names and uses of Soybean and Chick pea. 1 $\frac{1}{2}$ + 1 $\frac{1}{2}$
- (i) Differentiate spices and condiments with two examples for each. 2+1
- (j) Write scientific name and families for Tobacco and Potato. 1 $\frac{1}{2}$ + 1 $\frac{1}{2}$
- (k) Distinguish between natural fibres and synthetic fibres giving one example for each. 2+1
- (l) Give a brief idea on extraction of cotton. 3

3. Answer any *two* of the following questions: 5×2 = 10
- (a) Explain how crop domestication is responsible for loss of genetic diversity of Plants. What are the centres of ‘old world’ and ‘new world’ according to Vavilov. 3+2
- (b) Describe in brief the method of extraction of para-rubber. Write two of its uses. 4+1
- (c) What exactly are coffee beans? Write a short note on processing of coffee. 1+4

N.B. : *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

—×—