



WEST BENGAL STATE UNIVERSITY
B.Sc. Honours 3rd Semester Examination, 2020, held in 2021

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 as far as practicable
All symbols are of usual significance.*

1. Answer **all** the following questions: 1×6 = 6
- (a) Name two byproducts obtained from Sugarcane industry.
- (b) Write the scientific name of the plant that yields morphine.
- (c) Write two examples of major plant introduced according to Vavilov's work.
- (d) Expand IRRI.
- (e) What is coconut milk?
- (f) From where the cotton of commerce is yielded?
2. Answer any **eight** of the following questions: 3×8 = 24
- (a) Write the names of the six centres of 'Old World' as described by Vavilov. 3
- (b) Describe briefly the propagation and uses of potato. 3
- (c) What are the health implications of Tea and Coffee? 3
- (d) Mention scientific name, family, active constituents and morphological nature of plant parts where from 'Charas' is obtained. 1+ $\frac{1}{2}$ +1+ $\frac{1}{2}$
- (e) Write the scientific name and family of Turmeric and Asafoetida. 3
- (f) Differentiate spices from condiments citing examples. What is the morphological nature of spice clove? 2+1
- (g) Write the botanical name, family and uses of Coconut. 1+ $\frac{1}{2}$ +1+ $\frac{1}{2}$
- (h) What is plant introduction? Give two examples of primary introduced plant species (scientific name) in India. 1+2
- (i) Briefly describe the tapping method for rubber cultivation. 3
- (j) How is Groundnut oil extracted? 3
- (k) Differentiate between Teak wood and Pine wood. 3
- (l) Give the scientific name of Tossa jute and White jute. State their differences. 1+1+1

3. Answer any *two* of the following questions: 5×2 = 10
- (a) Classify fibers based on their origin. Describe the process of extraction of Cotton. 2+3
- (b) Describe the cultivation practices of any Rice variety. 5
- (c) What are beverages? Enumerate the steps involved in the processing of any one non-alcoholic beverage studied by you. 1+4
- (d) Write the botanical name, their respective families, parts used, and uses of Teak and Linseed. $(1 + \frac{1}{2} + \frac{1}{2} + \frac{1}{2})$
× 2

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.*

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