

Bankura University

B.Sc 3rd SEMESTER(Honours) EXAMINATIONS, 2021

Subject: BOTANY

Course ID: 31312

Course Code:SHBOT/ 302/C-6

Course Title: Economic Botany and Pharmacognosy

Full Marks: 25

Time: 1h 15min

The figures in the margin indicate full marks

(Answer all the questions)

1. Answer any five of the following questions: 1x5 = 5

- a) What is rice-bran?
- b) What is lint fibre?
- c) What are Vavilov centres?
- d) What are active constituents?
- e) What is habit forming drug ?
- f) Name two main alkaloids of coffee plant.
- g) What is the morphological nature of cotton ?
- h) Define an oil ?

UNIT-II

2. Answer any two of the following questions: 5x2 = 10

- a) Write the economic uses and used parts of the following plants.
i) *Foeniculum vulgare* ii) *Glycine max*
- b) What do you mean by crop domestication? Write the importance of germplasm diversity.
- c) What is the scientific name of pigeon pea? Describe its morphology and uses.
- d) Write in brief the different steps of tea processing mechanism.

UNIT-III

3. Answer any one of the following questions: 10x1 = 10

- a) What is the morphological nature of jute fibre? Describe the extraction procedure and uses of jute fibre.
- c) Describe briefly the organoleptic and microscopic features of *Justicia adhatoda* leaf . Mention its therapeutic uses.