

2019

B.SC

3rd Semester Examination

BOTANY (Honours)

Paper - C 6-T

[ECONOMIC BOTANY]

Full Marks : 40

Time : 2 Hours

The figures in the margin indicate full Marks. Candidates are required to give their answers in their own words as far as practicable. Illustrate the answers wherever necessary.

1. Answer any *five* of the following : $2 \times 5 = 10$

- a) What is Primary and Secondary centre of origin?
- b) Write down the briefly extraction method of Jute.
- c) What is Acclimatization?
- d) Write down the useful and harmful effects of essential oil.
- e) Write two sources of natural rubber.

[Turn Over]

(2)

- f) Write down the sources of turmeric and coriander, mention the morphological nature of parts used.
- g) What are the health hazards caused by tobacco and cannabis?
- h) What are millets? Give two examples.

2. Answer any *four* of the following : $5 \times 4 = 20$

a) Write classification based on the origin of fibers. Describe the propagation method of Potato. 3+2

b) Write down the two wild plant of hexaploid wheat.

Write the cultivation process of chick pea. $2\frac{1}{2} + 2\frac{1}{2}$

c) Write down the cultivation and method of processing of coffee. 3+2

d) Compare the morphological characters of different species of cotton cultivated in India. Write down the economical importances of *Pinus*.

e) Answer in brief (manufacture process)

i) Different commercial varieties of Tea. 3

ii) Classify Fodder Legumes with examples. 2

f) Write briefly the dry extraction process of coconut. 5

3. Answer any one question :

10×1

a) Answer any *four* of the following

$$2\frac{1}{2} \times 4 = 10$$

i) Different activities of NBPGR

ii) Different rice varieties recommended to cultivate in differentt agro-climate conditions of WestBengal.

iii) Harvesting and uses of Soybean.

iv) Rubber compounding.

v) Harvesting and uses of coconut.

vi) Planting of sugarcane.

b) Write the morphology and source of the following. Write their uses. $2 (\frac{1}{2} + \frac{1}{2} + 1) \times 5$

i) Saffron;

ii) Clove;

iii) Digitalin;

iv) Morphin; and

v) linseed oil.