

U.G. 4th Semester Examination - 2021

BOTANY**[HONOURS]**

Course Code : BOT-H-CC-T-10

(Economic Botany and Pharmacognosy)

Full Marks : 20

Time : 1 Hour

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Answer any **five** questions: $1 \times 5 = 5$
- State two reasons for loss of crop genetic diversity.
 - Write down the scientific name and family of chick pea.
 - State the various by-products of sugarcane industry.
 - Write down scientific name and parts used of cardamom.
 - Describe in brief about morphology of tea leaf.
 - Mention two sources of essential oil.

[Turn Over]

- State the chemical nature of para-rubber.
- Explain the morphology of jute fibre.

2. Answer any **one** question from the following:

 $5 \times 1 = 5$

- Give a short account on millets and fodder legumes. $2\frac{1}{2} + 2\frac{1}{2}$
- Enumerate on morphology and processing of sugarcane.
- Give a brief account on processing and uses of Cacao. $3 + 2$

3. Answer any **one** question from the following:

 $10 \times 1 = 10$

- Give a comparative account on extraction methods and uses of essential oils with fatty oils.
- Classify different fibres on the basis of their origin. Mention their uses. $6 + 4$
- Give the botanical name, family, active principle and uses of *Andrographis paniculata*, *Aconitum heterophyllum*, *Alstonia scholaris*, *Hemidesmus indicus* and *Centella asiatica*. $(\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2}) \times 5$