

U.G. 4th Semester Examination - 2022

BOTANY

[HONOURS]

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

(Economic Botany and Pharmacognosy)

Full Marks : 40

Time : 2½ Hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

Answer all the questions.

1. Answer any **five** questions: 2×5=10
- i) What is the centre of origin of rice? 1+1
 - ii) Write down the scientific name and family of cacao. 1+1
 - iii) State the health implications of safflower.
 - iv) Write in brief about the morphology of potato tuber.
 - v) Differentiate between crude and commercial drugs.
 - vi) Explain the morphology of coir fibre.

- vii) What is organoleptic study of drugs?
- viii) State the constituents and uses of *Atropa belladonna*. 1+1

2. Answer any **two** questions from the following:

5×2=10

- i) Give a brief general account of timber yielding plants with special reference to teak.
- ii) Give short note on the extraction and uses of cotton fibre. 3+2
- iii) Write in brief about cumin and fennel (botanical name, family and uses)

$(1+\frac{1}{2}+1)\times 2$

- iv) Write short note on drug adulteration.

3. Answer any **two** questions from the following:

10×2=20

- i) Write a note on crop domestication and loss of genetic diversity.
- ii) Describe the products and by-products of sugarcane industry.
- iii) Write briefly on tapping, processing and uses of para-rubber.
- iv) Describe the process of physical and chemical evaluation of pharmacognostic drugs.