

# U.G. 3rd Semester Examination 2021

**BOTANY (Honours)**

**Paper Code : DC-7**

(CBCS)

**Full Marks: 25**

**Time: 2 hours**

**1. Answer any *five* of the following:**

**1 X 5=5**

- i. Write the scientific name and family of the para-rubber plant.
- ii. What is the name of the plant and family where saffron is obtained?
- iii. Name a spice obtained from schizocarpic fruit.
- iv. What is lint?
- v. Give the scientific name of an anti-malarial drug-producing plant and mention its parts used.
- vi. Name two important sources of non-alcoholic beverages.
- vii. Define the term retting.

**2. Answer any *four* of the following:**

**3x4=12**

- i. Differentiate essential oil and fatty oil.
- ii. Write a short note on tobacco and its health hazards.
- iii. Discuss in brief the method of extraction of essential oils.
- iv. State the importance of germplasm diversity.
- v. Discuss the concept of *Centres of Origin* of cultivated plants.
- vi. Give the scientific name, family, plant part used and economic importance of fennel.
- vii. Give a brief idea about the by-products of the sugarcane industry.

**3. Answer any *one* of the following:**

**8x1=8**

- i. What is crop domestication? Give an elaborated idea about crop domestication and its effect on the loss of genetic diversity. (2+6)
- ii. Describe the morphology, processing and economic importance of wheat. (2+4+2)