



বিদ্যাসাগর বিশ্ববিদ্যালয়  
**VIDYASAGAR UNIVERSITY**  
**Question Paper**

**B.Sc. Honours Examinations 2021**

(Under CBCS Pattern)

**Semester - III**

**Subject : BOTANY**

**Paper : C 6 - T & P**

**(Economic Botany)**

**Full Marks : 60 (Theory-40 + Practical-20)**

**Time : 3 Hours**

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

*The figures in the margin indicate full marks.*

**(Theory : Marks - 40)**

**Group-A**

A. Answer any **three** of the following questions :

12×3=36

1. What does it mean by Vavilovian centre of origin? Write down the major objectives of plant introduction. What are the limitations of crop domestication? Write down the contribution of Vavilov in the field of economic botany. 3+3+3+3
2. Write the propagation method and uses of potato. Cite the different by-products of sugarcane industry and their uses. (5+2)+5
3. Give an account of the processing of tea. Write different uses of tea and coffee. 8+2+2

4. Briefly describe the morphology, cultivation and management process of wheat. 2+7+3
5. Write the botanical name, family, part used and economic importance of two edible oil yielding and two fiber obtaining plants. 4×3
6. What is para-rubber? Describe its trapping, processing and uses. 2+2+6+2

**Group-B**

B. Answer any *two* of the following questions : 2×2=4

1. Write economic importance of Pine. 2
2. Name two essential oil yielding plants. Write their uses. 2
3. Why legumes are important to man and ecosystem? 2
4. Name the plant used as a source of digoxin. Mention its therapeutic uses. 2

**(Practical)**

**Paper - C 6 P**

**(Economic Botany)**

**Marks : 20**

**Group-A**

A. Answer any *one* of the following questions : 15×1=15

1. Describe with the habit sketches and the anatomical features of L.S. of rice grain with suitable labelled diagram. 8+7
2. Draw the habit sketch of coffee beans and describe the morphological characters. 7+8
3. Describe the habit sketches and anatomical features revealed in sectional view of clove with suitable labelled diagram. 15

**Group-B**

B. Answer any *one* of the following questions :

5×1=5

1. Write briefly the steps of two micro chemical tests of potato tuber. 5
  2. Write briefly the steps of two chemical tests of proteins. 5
  3. Write different tests for fats in crushed mustard seeds. 5
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