



'সমানো মন্ত্র: সমিতি: সমানী'

**UNIVERSITY OF NORTH BENGAL**

B.Sc. Honours 3rd Semester Examination, 2021

**CC6-BOTANY**

**ECONOMIC BOTANY**

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.*

**GROUP-A**

1. Answer any *five* questions from the following: 1×5 = 5
- (a) Which part of saffron is used commercially?
  - (b) Name two species of timber-yielding gymnosperms.
  - (c) What is the ecological significance of leguminous plants?
  - (d) Name two habit-forming drugs.
  - (e) Define domestication.
  - (f) Give scientific names of any two millets.
  - (g) How is potato propagated?
  - (h) From which part is coconut oil extracted?

**GROUP-B**

2. Answer any *three* questions from the following: 5×3 = 15
- (a) What is para-rubber? Explain how it is tapped and processed. 1+4
  - (b) What is fodder legume? Give examples of two such legumes with their respective scientific names and families. 2+1 $\frac{1}{2}$ +1 $\frac{1}{2}$
  - (c) Describe origin of fibres with reference to cotton and jute along with their uses. 5
  - (d) Describe morphology of one oil-yielding plant with its scientific name and family. 3+1+1
  - (e) Name two spices that is not a fruit. Give their botanical name, family and morphological nature. 5

**GROUP-C**

3. Answer any *two* questions from the following: 10×2 = 20
- (a) Briefly describe the centers of origin of cultivated plants with reference to Vavilov's work. Describe origin of wheat. 5+5
- (b) Differentiate between fatty oils and essential oils with examples. How can essential oil be extracted? 5+5
- (c) What are beverages? Describe the manufacturing process of black and green tea. What are the various uses of tea? 2+6+2
- (d) Give scientific name and family of major sugar-yielding plant. Describe the method of processing and its final products and by-products obtained. 2+4+2+2

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