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3 SEM TDC BOTH (CBCS) C 6

2024

(Nov/Dec)

BOTANY

(Core)

Paper : C-6

(Economic Botany)

Full Marks : 53

Pass Marks : 21

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Fill in the blanks : 1×5=5

- (a) The full form of ICAR is _____.
- (b) The centre of origin of potato is _____.
- (c) The used part of the saffron plant is _____.
- (d) Teak belongs to the family _____.
- (e) The plants under the genus _____ yield drugs for the treatment of malaria.

(2)

2. Write short notes on any *four* of the following : $3 \times 4 = 12$

- (a) Tapping of rubber
- (b) Retting of jute
- (c) Indigenous Knowledge System (IKS)
- (d) Sarpagandha
- (e) Solvent extraction method of essential oils from plants

3. Write the scientific names along with their families of the following plants and give short accounts on their economic importance of their useful parts (any *three*) : $(1+1+2) \times 3 = 12$

- (a) Cotton
- (b) Clove
- (c) Sal
- (d) Chickpea
- (e) Neem

4. Describe the cultivation and manufacturing process of tea mentioning different grades after production. $4+6+2=12$

(3)

Or

What is the centre of origin? Discuss Vavilov's work related to the concept of centre of origin of cultivated crops. $2+10=12$

5. Write an account on sugarcane morphology, cultivation and processing method by which sugar is obtained. $2+5+5=12$

Or

Write short notes on the following : $6 \times 2 = 12$

- (a) Importance of different legumes to human and ecosystem
- (b) Uses of different aromatic and petro-crop plants
