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3 SEM TDC BOTH (CBCS) C 6

2025

(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 part used to prepare clove is _____.
 - (b) The full form of NBPGR is _____.
 - (c) The source of alkaloid reserpine is _____.
 - (d) Linseed belongs to the family _____.
 - (e) The centre of origin of rice is _____.

(2)

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

- (a) Germplasm diversity
- (b) Products and by-products of sugarcane industry
- (c) Indigenous knowledge system
- (d) Fodder legumes
- (e) Classification of fibers based on origin

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) Black pepper
- (b) Kalmegh
- (c) Soybean
- (d) Teak
- (e) Cymbopogon

4. Describe the cultivation and processing of rice mentioning its different uses. $5+4+3=12$

Or

Describe the procedure of tapping and processing of rubber mentioning its different uses. $4+5+3=12$

(3)

5. What is centre of origin? Discuss Vavilov's contribution related to concept of centre of origin of cultivated plants. $2+10=12$

Or

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

- (a) Crop domestication and loss of genetic diversity
- (b) Extraction procedures of edible oils
