

[This question paper contains 2 printed pages.]

**Your Roll No.....**

**Sr. No. of Question Paper : 5794**

**J**

Unique Paper Code : 2162011202

Name of the Paper : Plant Resources and Economic Botany

Name of the Course : **B.Sc. (Hons.) Botany**

Semester : II

Duration : 2 Hours

Maximum Marks : 60

**Instructions for Candidates**

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt **four** questions in all including Question Number 1 which is compulsory.
3. **All** parts of a question must be answered together.
4. **All** questions carry equal marks.
5. Draw labelled diagrams and write the botanical name wherever necessary.

1. (a) Mention the botanical name and family of the following (**any five**) : (1×5=5)

(i) Black pepper

(ii) Fennel

(iii) Tea

(iv) Soybean

(v) Flax

(vi) Groundnut

- (b) Expand the following (**any five**) : (1×5=5)

(i) IARI

(ii) CDRI

(iii) IRRI

(iv) SBI

(v) NBPGR

(vi) CPRI

*P.T.O.*

- (c) Match the following (**any five**) : (1×5=5)
- |                   |               |
|-------------------|---------------|
| (i) Cotton        | (a) Retting   |
| (ii) Millet       | (b) Ginning   |
| (iii) Jute        | (c) Saffron   |
| (iv) Sugarcane    | (d) Ratooning |
| (v) Rice          | (e) Ragi      |
| (vi) Shahi Zafran | (f) Caryopsis |
2. Differentiate between the following (**any three**) : (5×3=15)
- (i) Fatty oils and essential oils
  - (ii) White jute and tossa jute
  - (iii) Black tea and green tea
  - (iv) Cereals and millets
3. Write short notes on the following (**any three**) : (5×3=15)
- (i) Products and by-products of Sugarcane Industry
  - (ii) Vavilov's concept of centres of cultivated plants
  - (iii) Importance of legumes to man and ecosystem
  - (iv) Curing of tobacco
  - (v) Processing of coffee
4. Draw well-labelled diagrams of the following giving botanical name and family (**any three**) : (5×3=15)
- (i) L.S. of Clove bud
  - (ii) C.S. of Potato tuber
  - (iii) L.S. Wheat grain
  - (iv) T.S. Citrus fruit
5. (i) Coconut is a multi-purpose plant. Comment on the statement. (5)
- (ii) Write botanical name, family, plant part used and chemical constituents of any two drug yielding plants you have studied. (5)
- (iii) Tapping of latex from para rubber tree. (5)