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**Time : 2 Hours****POMOLOGY****Subject Code**

V	3	8	3
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**Total No. Of Questions : 4****(Printed Pages : 5)****Maximum Marks : 50**

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*INSTRUCTION :* (i) All questions are compulsory.

(ii) Answer each question on a fresh page.

(iii) Write the question number and sub-question number clearly.

(iv) Figures to the right indicate full marks.

1. (A) Fill in the blanks : 3

(i) The male flower bud is removed after completion of female phase and is referred to as ..... in banana.

(ii) ..... is the correct recommended spacing for pineapple cultivation.

(iii) The matured Arecanut dried in sun for 30 days is known as .....

- (B) Answer the following in *one* sentence each : 3
- (i) Name the planting material used in cultivation of turmeric.
- (ii) What do you mean by pre-cooling ?
- (iii) Write any *two* famous varieties of banana.
- (C) (i) Describe the Economic importance of Jack Fruit. 2
- (ii) Explain different methods of cultivation in Black Pepper. 2
2. (A) Match the pairs : 3
- | ‘A’                  | ‘B’                              |
|----------------------|----------------------------------|
| (i) CFBB             | (a) Post harvest technology      |
| (ii) PHT             | (b) Micro-propagation            |
| (iii) Tissue-culture | (c) Corrugated fibre board boxes |
|                      | (d) Mulching                     |
- (B) Answer the following in *one* sentence each : 3
- (i) What do you mean by Jam ?
- (ii) Name the root stock used for propagation in Chikoo.
- (iii) Name the high yielding varieties of Arecanut.

- (C) Write short notes on following : 4
- (i) Selection of arecanut seedings.
- (ii) Processing in Turmeric.
3. (A) State true *or* false. 3
- (i) Custard apple belongs to the family annonaceae.
- (ii) Lemon is the rich source of Vit.-D.
- (iii) Nutmeg is dioecious in nature.
- (B) Give reasons for the following : 3
- (i) Suckers and slips are preferred to crown for planting in pineapple.
- (ii) Short seedlings of arecanut are preferred for cultivation.
- (iii) Fully grown banana bunches should be covered.
- (C) Answer the following : 6
- (i) Calculate the cost of raising papaya, given that; area is 2 acres, planting distance is 1.8 m × 1.8 m,
- Cost of seedlings ; Rs. 35 per seedling
- Cost of digging and refilling pit; Rs. 20 per pit.
- Cost of staking; Rs. 10 per plant.

(ii) Write the maturity standards and describe harvesting in Chickoo.

(iii) Explain in detail 'planting of Pineapple'.

(D) Explain cold storage with neat suitable diagram. 3

OR

(D) Explain the construction of zero energy chamber for preservation of fruits and vegetables. 3

4. (A) Select the *correct* alternative and rewrite. 3

(i) Cardamum is a perennial/annual plant having underground rhizome and aerial pseudostem.

(ii) Removal of unwanted suckers in banana cultivation is called denavelling/desuckering.

(iii) The nutmeg/black pepper tree grows to a height of about 30 to 40 feet producing oval to round fruits.

(B) Answer the following : 3

(i) What is Pickle ?

(ii) Write two spice products of nutmeg.

(iii) Suggest correct spacing for lemon cultivation.

- (C) Answer the following in detail : 6
- (i) What is the importance of packing of agriculture produce.
  - (ii) Define waxing ? What care should be taken during waxing of fruits ?
  - (iii) Briefly explain important uses of pineapple.

- (D) Explain the Harvesting in Ginger. 3

*OR*

- (D) Explain papaya cultivation with respect to : 3
- (i) Propagation and planting
  - (ii) Foot rot disease with control measure.