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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 : 3)****Maximum Marks : 50**

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1. (A) Fill in the blanks : 3
- (i) Bunchy top disease of banana is caused by .....
- (ii) Arecanut is monoecious and essentially a ..... pollinated species.
- (iii) ..... and slips are preferred to crown in propagation of pineapple.
- (B) Answer the following in **one** or **two** sentences each : 3
- (i) What do you mean by denavelling in banana ?
- (ii) Why are the scale leaves from the basal portion of pineapple suckers and slips removed before planting ?
- (iii) Write down any *two* varieties of arecanut.
- (C) Answer the following in **40-60** words : 4
- (i) What are the desired criteria of suckers selection in banana ?
- (ii) How is curing carried out to make good quality black pepper of uniform black colour ?
2. (A) State **true** or **false** : 3
- (i) Separation of turmeric finger from mother rhizomes is called as curing.
- (ii) Nutmeg is commercially propagated by layering.
- (iii) Viability period of papaya seed is 45 days.

- (B) Answer the following in **one** or **two** sentences each : 3
- (i) Why are the shorter seedling with more leaves selected in arecanut planting ?
- (ii) Name the proteolytic enzyme present in papaya fruits.
- (iii) Name the common rootstock used while inarching in sapota.
- (C) Answer the following : 4
- (i) Write short note on selection of arecanut seed nuts.
- (ii) Draw the neat diagram of pineapple plant with fruit and label the parts.
3. (A) Match the pairs : 3
- |               |                 |
|---------------|-----------------|
| (i) Pineapple | (A) Kagzi       |
| (ii) Lemon    | (B) Coorg honey |
| (iii) Banana  | (C) Heart rot   |
|               | (D) Propping    |
- (B) Answer the following : 3
- (i) Name *two* spice products extracted from nutmeg.
- (ii) State importance of waxing in fruit crop.
- (iii) Write any *one* importance of post harvest technology in fruit crop.
- (C) Answer the following in **40-60** words : 6
- (i) State maturity signs of Jackfruit for harvesting.
- (ii) Explain soil and climate required for custard apple crop.
- (iii) How is the processing carried out in cardamom after harvesting ?
- (D) Draw the diagram and explain cold storage method of fruit preservation. 3

*Or*

Draw the diagram and explain working of zero energy chamber for fruits and vegetable preservation. 3

4. (A) Answer in **one** sentence each : 3
- (i) Family of Nutmeg.
  - (ii) Material used to resist friction during transportation of fruits.
  - (iii) Define precooling of fruits.
- (B) Answer the following : 3
- (i) Name *two* varieties of sapota.
  - (ii) What is the significance of water stress in lemon cultivation ?
  - (iii) Define fruit jelly.
- (C) Answer in short : 6
- (i) Calculate the cost of raising cashew, given that, the area is 2 hectare, spacing is 10 m × 10 m, cost of each graft is Rs. 100, cost of digging pit is Rs. 120, cost of refilling pit and planting is Rs. 25 per graft.
  - (ii) Write briefly, the selection and preparation of fruits for jam production.
  - (iii) Explain the importance and scope of spice crop in India.
- (D) Explain briefly curing in Ginger. 3
- Or*
- Explain ginger on the basis of the following points : 3
- (i) Planting
  - (ii) Soil
  - (iii) Climate.



