

2019 VI 13

1430

Seat No.

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Time : 2 Hours

COMMERCIAL CROPS

Subject Code

V	2	9	4
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Total No. of Questions : 5

(Printed Pages : 2)

Maximum Marks : 50

- INSTRUCTIONS :** i) Answer **each** questions on **fresh** page.
ii) Write the number of the question and sub-question **clearly**.
iii) **All** questions are **compulsory**.
iv) Figures to the **right** indicate **full** marks.

1. A) Define the term 'post harvest technology' of fruits. [1]
B) What is pre-cooling ? [1]
C) Enlist the advantages of pruning in oil palm. [3]
D) Explain in detail stone grafting in Mango with suitable diagram. [5]
- OR
- D) Explain Mango cultivation with reference to : [5]
i) Varieties
ii) Selection of Mango graft
iii) Pit size and spacing
iv) Control of fruit fly.
2. A) Fill in the blank and rewrite the sentence : [1]
_____ is the commercial propagation method followed in Kokum.
B) Write any two varieties of turmeric. [1]
C) Briefly explain training and pruning in cashew. [3]
D) List out any five characteristics of good coconut mother palm. [5]

OR

- D) Explain coconut cultivation with special reference to : [5]
- i) Uses
 - ii) Selection of seedlings
 - iii) Spacing and pit size
 - iv) Control of Rats.
3. A) What is chilli ? [1]
- B) Fill in the blank and rewrite the sentence : [1]
- _____ is used as 'spice' in cinnamon.
- C) Write the importance of knowledge of post harvest technology of fruits and vegetables. [3]
- D) Explain the principle and construction of zero energy chamber for short term storage of vegetables with suitable diagram. [5]
4. A) Nut and mace are the two processed products obtained from [1]
- B) Write one point of difference between aerobic and anaerobic fermentation. [2]
- C) What is the medicinal importance of black pepper ? [2]
- D) What is waxing ? What care should be taken during waxing of fruits ? [2]
- E) Calculate the cost of raising 1 ha. of mango plantation based on the following information. [3]
- (i) Spacing 9m × 9m.
 - (ii) Cost of mango graft ₹ 180/- per graft.
 - (iii) Cost of digging and re-filling of pit ₹ 60/- per pit.
 - (iv) Cost of planting and stacking ₹ 40/- per plant.
5. A) Suggest two examples of cushioning materials used in packing of fruits ? [1]
- B) What is the significance of packing of fruits ? [2]
- C) What is jam ? Explain spoon test to judge the end point in making jam. [2]
- D) What is pickle ? Write any two causes of spoilage of pickle. [2]
- E) Write the flow-chart for making aonla chutney. [3]