Discuss in detail, post-harvest processing of turmeric rhizomes.

(ii)

2.	(A)	State	e pest and disease (one each) of arecanut.	1			
	(B)	Select the correct alternative and rewrite the sentences: 2					
		(i)	present in Kokum fruit fights cholesterol and cur	bs			
			lepogenesis, thus adding weight loss.				
			(Sulphuric acid, Hydroxycitric acid, Normal acid)				
		(ii)	Each individual piece of fruit on oil palm fruit bunch contain	ns			
			oil.				
			(17%, 25%, 50%)				
	(C)	Disc	uss symptoms of bud rot in coconut and give measures to contr	ol			
		disease.					
	(D)	(i)	State selection criteria for scion and rootstock in epicotyle grafting	ng			
			of mango.	2			
Or							
		(i)	Write a short note on 'Alternate or Biennial bearing' in mango.	2			
		(ii)	Write only flow-chart of process for mix fruit jam.	3			
			Or				
		(ii)	Write only flow-chart of process for sweet mango chutney.	3			
3.	(A)	State	e two hybrid varieties of coconut.	1			
	(B)	Nam	e the following:	2			
		(i)	Botanical name of cinnamon.				
		(ii)	The management practice through which, field heat of the harvest	$\operatorname{ed}$			
			produce is removed, in order to have extended shelf life.				

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- (C) What do you mean by Waxing? What are its adverse effects on fruits? 2
- (D) (i) Write a short note on 'Infestation and management of cashew stem and root borer'.

Or

- (i) Explain rejuvenation of low yielding seedling progenies of cashew.
- (ii) Calculate the cost of raising papaya given that, area is 8,000 sq. mt.
  planting distance is 1.8 m × 1.8 m; cost of each seedling is Rs. 20;
  cost of digging each pit is Rs. 18, cost of refilling and planting is
  Rs. 5 per plant and cost of fertilizers is Rs. 8 per plant.

Or

- (ii) Calculate cost of raising kokum on 12,000 sq. mt. area given that, planting distance is 6 mt. × 6 mt., cost of each kokum seedling is Rs. 20, cost of digging each pit is Rs. 18, cost of refilling and planting is Rs. 5 per plant and cost of fertilizers is Rs. 6 per plant.
- 4. (A) State fertilizer dose recommended for full grown coconut palm. 1
  - (B) What is sheet/flake test in jam preparation? What is its significance? 2
  - (C) Explain harvesting and post-harvest drying of Nutmeg fruits. 2
  - (D) (i) What is the importance of cushioning in packing of fruits? State two examples of cushioning materials.
    - (ii) Explain importance and scope of post-harvest technology in Indian context.

5.	(A)	State the principle behind working of refrigeration chamber.	1
	(B)	What is aerobic fermentation? Give two examples of ferment	ed
		products.	2
	(C)	State four advantages of use of corrugated fibre board boxes.	2
	(D)	Explain the construction of zero energy cooling chamber for storage	0
		fruits and vegetables with suitable labelled diagram.	5

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