

Total No. of Questions: 5

Total No. of Printed Pages:2

Enrollment No.....



Faculty of Agriculture
End Sem Examination May-2024
AG3CO29

Production Technology for Fruit & Plantation Crops

Programme: B.Sc. (Hons.) Branch/Specialisation: Agriculture

Duration: 3 Hrs.

Maximum Marks: 50


Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

- Q.1 i. Which one of the following is ripening hormone? **1**
(a) GA₃ (b) Auxin (c) Cytokinin (d) Ethylene
- ii. Highest density of planting obtained in which method of planting- **1**
(a) Hexagonal (b) Rectangle (c) Square (d) All of these
- iii. Which hormone is responsible for ripening in fruits? **1**
(a) Benzoic acid (b) Phenyl-acetate
(c) Calcium phorate (d) Calcium carbide
- iv. How Clonal-Rootstock is multiplied? **1**
(a) Stooling (b) Layering
(c) Rooted cuttings (d) All of these
- v. Select the correct variety of Litchi? **1**
(a) Pottee (b) Kasab (c) Shahi (d) All of these
- vi. Litchi is basically a- **1**
(a) Temperate crop (b) Tropical crop
(c) Sub-tropical crop (d) All of these
- vii. Sapota can be propagated by- **1**
(a) Approach grafting (b) Cutting
(c) Tissue culture (d) Both (a) and (c)
- viii. Correct botanical name of Almond is- **1**
(a) 'Juglans raga' (b) 'Juglans regia'
(c) 'Prunus amygdalus' (d) None of these
- ix. Correct botanical name of Arecanut is- **1**
(a) 'Areca catechu' (b) 'Areca dipura'
(c) 'Areca amira' (d) None of these

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- x. Which coffee species is cultivated in India? **1**
(a) 'Coffea arabica' (b) 'Coffea canephora'
(c) 'Coffea danephora' (d) Both (a) and (b)
- Q.2 i. Explain climacteric and non- climacteric fruits. **3**
ii. Give the importance and scope of fruit and plantation crop industry in India. **5**
- OR iii. Explain the commercial varieties of citrus. **5**
- Q.3 i. Define major fruits. **2**
ii. Discuss the detailed production technology of grape. **6**
- OR iii. Discuss the detailed production technology of mango. **6**
- Q.4 i. Discuss the propagation of pineapple. **3**
ii. Write down the detailed cultivation of pomegranate. **5**
- OR iii. Give detailed cultivation of 'Strawberry'. **5**
- Q.5 Attempt any two: **4**
i. Describe the fertilizer and harvesting in 'Walnut'. **4**
ii. Give detailed cultivation of 'Papaya'. **4**
iii. Discuss the plant protection measures in sapota. **4**
- Q.6 Attempt any two: **4**
i. Give detailed cultivation of 'Coconut'. **4**
ii. Give detailed cultivation of 'Cashew'. **4**
iii. Give detailed cultivation of 'Tea'. **4**

Scheme of Marking

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	Programme: B.Sc.	Branch/Specialisation:

Q.1	i)	(c) Both A&B	1
	ii)	(d) Both A and C	1
	iii)	(d) Calcium Carbide	1
	iv)	(d) All	1
	v)	d) All	1
	vi)	(c) Sub-tropical crop	1
	vii)	(a) Approach grafting	1
	viii)	(c) <i>Prunus amygdalus</i>	1
	ix)	(a) <i>Areca catechu</i>	1
	x)	(d) Both A & B	1
Q.2	i.	Explain Climacteric and Non climacteric fruits	2+1=3
	ii.	Give importance and Scope of fruits and Plantation crops	2.5+2.5=5
	iii.		5
OR	iv/iii	Explain Commercial varieties of Citrus.	5
Q.3	i.	Define major fruits	2
	ii.	Discuss the Detailed production technology of Grapes	3
	iii.		4
OR	iv/ii	Discuss The detailed production technology of Mango	4
Q.4	i.	Discuss the propagation of Pineapple	3
	ii.	Discuss Write down the detailed cultivation of Pomegranate	5
OR	iii.	Give Detailed cultivation of 'Strawberry'	5
Q.5	i.	Describe the fertilizer and harvesting in Walnut	4
	ii.	Give Detailed cultivation of 'Papaya'	4

	iii.	Discuss the plant protection measure in Sapota	4
OR	iv.		4
Q.6			
	i.	Give detailed cultivation of 'Coconut'	4
	ii.	Give Detailed cultivation of Cashew	4
	iii.	Give Detailed cultivation of 'Tea'	4
