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Enrollment No.....

Faculty of Agriculture

End Sem (Even) Examination May-2022

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.

- Q.1 i. The term pomology is derived from the language- 1
(a) Greek (b) Latin (c) French (d) Arabic
- ii. Which of the following fruit is rich source of protein? 1
(a) Cashew nut (b) Walnut
(c) Barbados cherry (d) Custard apple
- iii. Which of the following variety of mango have seedless? 1
(a) Amrapalli (b) Mallika (c) Sindu (d) Ratna
- iv. Spongy tissue is a physiological disorder of fruit crop- 1
(a) Litchi (b) Pine Apple
(c) Apple (d) Mango
- v. Yellow colour of papaya is due to presence ofpigments. 1
(a) Anthocynine (b) Caricaxanthin
(c) Papain (d) Carotene
- vi. Kirthi bharti is a famous variety of crop. 1
(a) Guava (b) Aonla (c) Sapota (d) Pomegranate
- vii. pine apple contain a protein digestive enzyme. 1
(a) Bromelin (b) Papain (c) Trypsin (d) All of these
- viii. How much percentage of Crude Protein found in Jackfruit? 1
(a) 5.22% (b) 7.22% (c) 8.22% (d) 10.22%
- ix. Coconut crop is generally propagated by- 1
(a) Soft wood grafting (b) Patch budding
(c) Seeds (d) Suckers

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- x. Which type of pollination occur in Robusta coffee? 1
(a) Self-pollination (b) Often cross pollination
(c) Cross pollination (d) All of these
- Q.2 i. Define pomology. 1
ii. What is rootstock and scion? 2
iii. Explain importance of pomology in India. 5
OR iv. Write classification of fruits crops. 5
- Q.3 i. Write-down botanical name, family and chromosome number of 1
pummelo.
ii. Explain hardwood cutting in grape with diagram. 3
iii. Write-down different cultural operation in banana. 4
OR iv. Briefly note down important cultivar of mango with characters. 4
- Q.4 i. Write the process of tutti –fruity. 2
ii. Write down at least ten important cultivars of papaya with their 6
characters.
OR iii. Write the botanical name, family, and chromosome number of 6
following crops:
(a) Apple (b) Walnut (c) Litchi (d) Pear
(e) Peach (f) Jack fruits
- Q.5 i. Briefly explain composition and uses of pineapple. 2
ii. What is maturity index of jack fruits? 2
iii. Briefly explain cultivation of strawberry. 4
OR iv. Explain different propagation method of pomegranate. 4
- Q.6 Attempt any two:
i. Write down the difference between tall coconut and dwarf 4
coconut.
ii. Write down the difference between Arabica coffee and Robusta 4
coffee.
iii. Write different methods of processing of tea. 4

Marking Scheme

AG3CO29 Production Technology for Fruit & Plantation Crops

Q.1	i.	The term pomology is derived from the language-		1
		(b) Latin		
	ii.	Which of the following fruit is rich source of protein?		1
		(a) Cashew nut		
	iii.	Which of the following variety of mango have seedless?		1
		(c) Sindu		
	iv.	Spongy tissue is a physiological disorder of fruit crop-		1
		(d) Mango		
	v.	Yellow colour of papaya is due to presence ofpigments.		1
		(b) Caricaxanthin		
Q.2	vi.	Kirthi bharti is a famous variety of crop.		1
		(c) Sapota		
	vii. pine apple contain a protein digestive enzyme.		1
		(a) Bromelin		
	viii.	How much percentage of Crude Protein found in Jackfruit?		1
		(b) 7.22%		
	ix.	Coconut crop is generally propagated by-		1
		(c) Seeds		
	x.	Which type of pollination occur in Robusta coffee?		1
		(c) Cross pollination		
Q.3	i.	Define Pomology	1 Mark	1
	ii.	Rootstock	1 Mark	2
		Scion	1 Mark	
	iii.	Importance of pomology in India	(As per explanation)	5
OR	iv.	Classification of fruits crops.	(As per explanation)	5
Q.4	i.	Botanical name, family and chromosome number of pummelo.		1
		(As per explanation)		
	ii.	Hardwood cutting in grape with diagram.	(As per explanation)	3
	iii.	Different cultural operation in banana.	(As per explanation)	4
OR	iv.	Important cultivar of mango with characters.	(As per explanation)	4

Q.4	i.	Process of tutti –fruity.	(As per explanation)	2
	ii.	Least ten important cultivars of papaya	(As per explanation)	6
OR	iii.	(a) Apple	1 Mark	6
		(b) Walnut	1 Mark	
		(c) Litchi	1 Mark	
		(d) Pear	1 Mark	
		(e) Peach	1 Mark	
		(f) Jack fruits	1 Mark	
Q.5	i.	Composition and uses of pineapple.	(As per explanation)	2
	ii.	Maturity index of jack fruits	(As per explanation)	2
	iii.	Cultivation of strawberry.	(As per explanation)	4
OR	iv.	Different propagation method of pomegranate.	(As per explanation)	4
Q.6		Attempt any two:		
	i.	Difference between tall coconut and dwarf coconut.	(As per explanation)	4
	ii.	Difference between Arabica coffee and Robusta coffee.	(As per explanation)	4
	iii.	Different methods of processing of tea.	(As per explanation)	4
