



## **BRAINWARE UNIVERSITY**

Term End Examination 2024-2025 Programme – B.Sc.(Ag)-Hons-2022 Course Name - Hi-tech Horticulture Course Code - EC-BAG671A(T) (Semester VI)

LIBRARY Brainware University Barasat, Kanada -700125

2:0 Hours

Full Marks: 50	Time : 2:0 Hour
[The figure in the margin ind	licates full marks. Candidates are required to give their answers in their
	own words as far as practicable.]
	and words as fair as practicable.
	Group-A
	(Multiple Choice Type Question) 1 x 20=20
1. Choose the correct alterna	ntive from the following :
(i) Show the correct answer	r: Chemical thinning of bloosoms in fruit crops can be one by spraying which chemical substance?
a) NAA	b) IAA
c) IBA	d) ABA
(ii) The practice of complete stump alone is summarize	removal of the trunk in trees like Cinchona leaving 30-35 cm red as:
a) Lopping	b) Pollarding
c) Coppicing	d) Bending
	: The practice of smoking the trees like mango, commonly in order to produce off-season crop is referred to as:
a) Bending	b) Pollarding
c) Smudging	d) Coppicing
(iv) Show the correct answer increasing fruit production	: Bending of branches is widely practiced in the Deccan for on of which crop?
a) Mango	b) Guava
c) Grape	d) Citrus
	ging of a branch above a dormant lateral bud in order to rees in Pune region of Maharasthra is summarized as:
a) Ringing	b) Notching
c) Pinching	d) Scoring
(vi) Show the correct answer:	Fruit buds borne terminally and unfold to produce ves is commonly seen is which fruit crop?

(vii) Show the correct answer: Fruit buds borne terminally and unfold to produce leafy shoots that terminate in to flower clusters is commonly seen in which fruit crop?

a) Mango

c) Apple

b) Guava

d) Grapes

LIBRARY **Brainware University** b) Guava Barasat, Kolkata -700125 a) Mango d) Grapes c) Apple (viii) Show the coreect answer: Fruit bud borne terminally and unfold to produce leafy shoots with flowers or flower clusters in the leaf axils is commonly seen in which fruit crop? b) Guava a) Mango d) Grapes c) Apple (ix) Show the correct answer: Fruit buds borne laterally unfolding to produce flower parts only without leaves is commonly seen in which fruit crop? b) Guava a) Mango d) Papaya c) Apple (x) Show the correct answer: Fruit buds borne laterally unfolding to produce leafy shoots terminating in flower clusters is commonly seen in which fruit crop? a) Mango b) Guava c) Apple d) Grapes (xi) Show the correct answer: Fruit buds borne laterally unfolding to produce leafy shoots with flower clusters in the leaf axils is commonly occurred in which fruit crop? a) Fig b) Guava c) Walnut d) Grapes (xii) Show the correct answer: Fruit buds borne both terminally and laterally but unfolding to produce infloresnce terminally is commonly occur in which fruit crop? a) Fig b) Guava c) Walnut d) Grapes (xiii) Show the correct answer: Fruit buds always borne adventitiously in old trunk or, shoots is commnly occur in which fruit crop? b) Mango a) Fig c) Jack Fruit d) Grapes (xiv) The system of training in which the main stem is allowed to grow only upto a certain height and the leader stem is pruned to encourage scaffold branches production, is summarized as: b) Central Leader System of Training a) Modified Leader System of Training d) None of these c) Open Centre System of Training (xv) The system of training in which a fruit tree is trained to form a trunk which extends from the surface of the soil to the top of the tree, is summarized as: a) Modified Leader System of Training b) Central Leader System of Training d) None of these c) Open Centre System of Training (xvi) Show the correct answer: Bower system of training is generally followed for the cultivation of which group of vegetables? b) Cruciferous vegetables a) Solanaceous vegetables d) Cucurbitaceous vegetables c) Bulbous vegetables (xvii) Show the correct answer: Open Centre System of Training is also known as: b) Head System of Training a) Vase-shaped System of Training d) Telephone System of Training c) Espalier System of Training (xviii) The practice of reducing the canopy cover in the shade trees in order to permit more light, is summarized as: b) Pollarding a) Lopping d) Bending c) Coppicing (xix) The practice of removing the growing point in shade trees in order to encourage side

indeterminate types of tomato:

b) Pollarding

d) Bending

(xx) Show the correct answer: The most common method of training system for

branches, is summarized as:

a) Lopping

c) Coppicing

	c) Central Leader System b) Signle stem training b) Si		
	Group-B	2.5	5 x
	(Short Answer Type Questions)	24	=25
4. 5. 6. 7. 8.	Explain the term- Integrated Nutrient Management (INM).  Explain the term- Micropropagation.  Explain the term- Integrated Pest Management (IPM).  Explain the term- canopy management.  Express your opinion regarding the importance of Fumigation of growing management.  Express your opinion regarding the importance of Horticulture Food Process  Discuss the role of CPCT.  Classify the various classes of Plant Tissue Culture on the basis of plant part	sing.	(2.5) (2.5) (2.5) (2.5) (2.5) (2.5) (2.5) (2.5) (2.5)
	explant.  OR  Classify the different methods of sterilization of media in Plant Tissue Culture.		(2.5)
	Group-C (Long Answer Type Questions)	5	5 x 1=5
12.	<ol> <li>"Modern farming systems through Hi-tech. horticulture holds significant im offers vast opportunities for technological innovation and efficiency"- Justif OR</li> </ol>	y the comment	
	"Nursery raising of horticultural crops plays a crucial role in achieving succe production by providing a vital foundation for plant growth and developme statement.	ssful crop nt"- Justify the	(5)

b) Signle stem training

a) Multiple stem training

c) Central Leader System

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