



BRAINWARE UNIVERSITY

Term End Examination 2023-2024 Programme – B.Sc.(Ag)-Hons-2022 Course Name – Production Technology for Fruit and Plantation Crops Course Code - CC-BAG474(T) (Semester IV)

Full Marks: 50 [The figure in the margin indicates full marks. Cano own words as far	Time: 2:0 Hours didates are required to give their answers in their as practicable.]
Grou (Multiple Choice 1 1. Choose the correct alternative from the followin	Type Question) 1 x 20=20 g:
 (i) Select the seedless variety of mango from the a) Sindhu c) Mulgoa (ii) Identify the suitable mango variety which is su 	b) Ratna d) Amrapali
a) Sindhu c) Mulgoa (iii) Choose the training method which is followed	b) Ratna d) Amrapali
a) Open Center c) Modified Center (iv) Choose the cause of spongy tissue (an importation)	b) Central Leader d) None of these ant physiological disorder of mango)
 a) Imbalance in calcium concentration c) Heat in mature fruit at pre-and post-harvest stages (v) Choose the actual Indian city where National I located. 	Notice of these
a) Nagpurc) Kolkata(vi) Choose the malformation free variety of mang	b) Shilong d) Mumbai go from the given options below.
a) Bahaduran c) Alphanso (vii) Select the actual abnormalities in plants which factors.	b) Neelam d) Ratna h are associated to non-pathogenic
a) Disease c) Infection	b) Physiological disorderd) All of these

(viii) Illustrate the control measure (s) to overcome the spongy tissue problem in mango.

b) Mulching

a) Sod Culture

c) Harvesting the fruits at 3/4th maturity (ix) Choose the correct fact about jhumka (a phisio	d) All of these logical disorder) in mango.
 a) Breakdown of the pulp on the ventral side 	b) Development of small, and of the fruit
and towards the apex c) Intensification of normal green colour	d) Formation of a bunch of fruitlets at the tip
(x) Choose the correct fact about Black Tip (a phis	of panicles iological disorder) in mango
a) Breakdown of the pulp on the ventral side and towards the apex	b) Development of small, excellent
c) Intensification of normal green colour	d) Formation of a bunch of fruitlets at the tip of panicles
(xi) Choose the correct fact about Soft Nose (a phy	rsiological disorder) in mango.
 a) Breakdown of the pulp on the ventral side and towards the apex 	b) Development of small, etiolated area at the
c) Intensification of normal green colour	d) Formation of a bunch of fruitlets at the tip of panicles
(xii) Select the actual symptom of reproductive ma	lformation in mango.
a) Compactness of panicle	b) Reduced length of petioled) Bunching of mango leaves at terminal
^{c)} Shortening of internodal length	portion of leaf
(xiii) Choose the actual symptom of vegetative malf	formation in mango.
a) Reduced length of petiole	b) Shortening of internodal length
 c) Bunching of mango leaves at terminal portion of leaf 	d) All of these
(xiv) Spraying of NAA@ 200-300 PPM during noven problem of which disorder of the followings?	nber in mango is done to solve the
a) Jhumka	b) Soft Nose
c) Spongy Tissue	d) Black Tip
(xv) Illustrate the actual cause of black tip in mang	b) Presence of brick kilns within 1 km of
a) Convective heat arising from soil	mango orchard
c) Improper level of calcium in plant	 d) Lack of adequate pollination and fertilization
(xvi) Choose the actual cause of spongy tissue in m	ango.
a) Convective heat arising from soil	 b) Presence of Brick Klins within 1 km of mango orchard
c) Improper level of calcium in plant	 d) Lack of adequate pollination and fertilization
xvii) Summarize the arrangement of leaves on a ste	em or branch.
a) Venation	b) Vernation
c) Modification xviii) First few leaves on a stem which are different	d) Phyllotaxy from other leaves are summarized as:
a) Prophylls	b) Cataphylls
c) Hypsophylls	d) Sporophylls
xix) Leaves bearing floral buds in their axis are spe	ecial leaves summarized as:
a) Prophylls	b) Cataphylls
c) Hypsophylls	d) Sporophylls
(xx) Arrangement of petals/sepals in a floral bud is	
a) Venation c) Modification	b) Vernation d) Phyllotaxy
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(Short Answer Tyne Questions)		2.5 x 10=25		
2	. Identify the taxonomic description of mango.	(2.5)		
3.	. Discuss some Polyembryonic varieties of mango in India.	(2.5)		
4.	. Discuss some rootstocks of mango.	(2.5)		
5.	. Choose some points to solve the problem of biennial bearing in mango.	(2.5)		
6.	Explain the process of Denavelling in banana.	(2.5)		
7.	Illustrate the economic importance of Plantation Crops in India.	(2.5)		
8.	Explain the term- Cashew Nut shell liquid (CNSL).	(2.5)		
9.	Discuss about the control measures which should be followed to solve the problem of alternate or, biennial bearing in mango plant.	(2.5)		
10). Discuss the Differences between Assam tea vs China tea.	(2.5)		
11	. Predict the best Bahar technique of guava.	(2.5)		
	OR			
	Discuss about the various categories of mango cultivars based on time of ripening.	(2.5)		
	Group-C			
	(Long Answer Type Questions)	5 x 1=5		
12.	Discuss about the effective control measures to overcome the problem of Black tip and spongy tissue of mango. OR	d (5)		
	Elaborate the different types of vegetative propagation (asexual propagation) followed	d in (5)		
	mango			
