



## **BRAINWARE UNIVERSITY**

Brainwara University 398, Ramkrishnapuf Road, Barasal Kolkala, Wast Barigal-790125

Term End Examination 2024-2025
Programme – B.Sc.(Ag)-Hons-2022
Course Name – Protected Cultivation
Course Code - EC-BAG571C (T)
( Semester V )

Full Marks : 50 Time : 2:0 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

## Group-A

(Multiple Choice Type Question)

1 x 20=20

- 1. Choose the correct alternative from the following:
- (i) The radiation in the 400 to 700 nm wavelength is summerized as:
  - a) Photosynthetically Active Radiation
- b) Infra Red Radiation

c) Ultra Violet Radiation

- d) None of these
- (ii) Show the correct answer: Mechanized harvesting is possible in which type of tomato cultivars?
  - a) Determinate Cultivars

b) Semi-Determinate Cultivars

c) Indeterminate Cultivars

- d) All of these
- (iii) Show the correct answer: Presence of inflorescence at every internode is the common feature of which type of tomato cultivars?
  - a) Determinate Cultivars

b) Semi-Determinate Cultivars

c) Indeterminate Cultivars

- d) All of these
- (iv) Show the correct answer: The term Self-topping or, Self-pruning is associated with which type of tomato cultivars?
  - a) Determinate Cultivars

b) Semi-Determinate Cultivars

c) Indeterminate Cultivars

- d) All of these
- (v) Show the correct answer: Which type of tomato cultivars are most appropriate for growing under protected condition?
  - a) Determinate Cultivars

b) Semi-Determinate Cultivars

c) Indeterminate Cultivars

- d) All of these
- (vi) Show the correct answer: Single Stem Training is the most common training method for which type of tomato cultivars?
  - a) Determinate Cultivars

b) Semi-Determinate Cultivars

د)	Indeterminate Cultivars	Holizator			
		d) All of these			
(VII) 5	orings about which about Lacium deficiency	in protected condition such as green house			
brings about which physiological disorder in tomato fruit?					
	Puffiness	b) Blossom End Rot (BER)			
	Cat-face	d) Golden Flake			
(VIII) I	he concept of production of vegetable crops	s out of the normal season under protected			
C	condition can be summarized as:				
a)	Kitchen Gardening	b) Vegetable Forcing			
	Floating Vegetable Garden	d) Truck Garden			
(ix) 5	Show the correct answer: The vegetable crop	which have been called as The Christmas			
(	Ornaments of Vegetable World?				
	Asparagus	b) Sweet Pepper			
	Tomato	d) Chilli			
(x) T	The transferring of young seedlings into anot	ther bed, pan or tray is summarized as:			
a)	Thinning	b) Pricking			
	Hardening off	d) Mulching			
(xi) T	he practice of removal of excess seedling to	facilitate aeration and better development,			
is	s summarized as:	A service for the first service for the servic			
a)	Thinning	b) Pricking			
	Hardening off	d) Mulching			
(xii) S	Show the correct answer: The electromagnet	tic wavelength of Near Infrared Radiation			
(	NIR)				
a)	400-700 nm	b) 315-400 nm			
	) 300-315 nm	d) 700-3000 nm			
(xiii) S	Show the correct answer: Which type of radiation is important for crop production?				
a)	) PAR (Photosynthetically Active Radiation)	b) FIR (Far Infrared Radiation)			
C	) NIR (Near Infrared Radiation)	d) UB-A and UV-B (Ultraviolet Radiation-A and			
	•	Ultraviolet Radiation-B)			
(xiv)	Show the correct answer: Which type of radi	iation is responsible for heating in green			
	houses?				
а	) PAR (Photosynthetically Active Radiation)	b) FIR (Far Infrared Radiation)			
c	;) NIR (Near Infrared Radiation)	d) UB-A and UV-B (Ultraviolet Radiation-A and			
		Ultraviolet Radiation-B)			
(xv)	Show the correct answer: National Committee	ee on Plasticulture Applications in			
	Horticulture was formed in which year?				
	) 2012	b) 1981			
	1999	d) 2000			
(XVI)	Show the correct answer: Green houses for a India in 1965 by which organization?	commercial floriculture was 1st establised in			
а	a) Indian Agricultural Research Institute (IARI)	) b) Indo-American Hybrid Seed Company (IAHS)			
C	c) Institute of Himalayan Bio-resourse	d) Indian Institute of Horticultural Research			
	Technology (IHBT)	(IIHR)			
(xvii) Show the correct answer: The first F1 hybrid of cucumber developed in India in 1971					
а	a) Pusa Uday	b) Pusa Sanyog			
C	c) Pusa Barkha	d) Straight Fight			
(xviii) Show the correct answer: Head Quarter of World Trade Organization (WTO) is located at:					
ā	a) Brussels, Belgium	b) Rome, Italy			
C	c) New Delhi, India	d) Lima, Peru			

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(xix) Show	Kolkata, West Ben		
a) 10-2	0 mesh	proof flet for virus free production:	• Service V
	0 mesh	b) 40-60 mesh	
(xx) Show	the correct answer: 1st cro	d) 100 mesh	
a) Cucu	mhar	op raised in hydroponics:	
c) Tom		b) Ridge gourd	
c) 10111		d) Pumkin	
		Group-B	
(Short Answer Type Questions)			
		n = 4. costions)	2.5 x 10=25
2. Explain	he term-Protected cultiva	tion practices	
3. Explain	the term-Poly house.		(2.5)
4. Explain	he term-Shade net house		(2.5)
5. Explain	the term-Hydroponics.		(2.5)
6. Explain	the term-Aeroponics.		(2.5)
7. Explain	the term-plastic mulching.		(2.5)
8. Discuss the advantages of off-season vegetable cultivation.			(2.5)
J. Discuss	Graver culture.	7.50 M	(2.5)
	Bottom heat box.		(2.5) (2.5)
11. Discuss	the principles of greenhou	ise cultivation.	(2.5)
Discuss	the role of CPCT.	OR	(2.5)
Discuss	the role of CPC1.		(2.5)
		Group-C	
		(Long Answer Type Questions)	5 x 1=5
12. Discuss the national scenario of protected cultivation.			
		OR	(5)
Discuss houses.	the important criteria tho	se should be followed while selecting the site for greer	(5)
			w.
	*****	*******	