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GIET UNIVERSITY, GUNUPUR - 765022
B. Sc. (Ag.) (Third Semester) Regular Examinations, January - 2024
HORT-213 - Production Technology for Vegetables & Spices

Time: 2 hrs

Maximum : 50 Marks

The figures in the right hand margin indicate marks.

PART – A

Q.1. Fill in the blanks with suitable word / figure.

(0.5 x 10 = 5 Marks)

- a. Arka Pitamber is a variety ofcrop
- b. Red colour of chilli fruit at ripening stage is due to the pigment.....
- c. Scientific name of Garlic.....
- d. Blossom end rot in tomato is due to deficiency
- e. The edible part of potato is called
- f. Utkal Madhuri is variety ofcrop
- g. Varieties prefixed with Arka are released from
- h. Black Pepper is also called as the
- i. Okra due to its high iodine content is considered useful or the control of
- j. Riceyness is a physiological disorder in.....crop

Q. 2. Define (or) Explain the following in one or two sentences.

(1 x 5 = 5 Marks)

- a. Heterostyly in Brinjal
- b. Bolting in Onion
- c. Truck garden
- d. Earthing up in Potato
- e. Harvesting stages of Tomato

Q3. Match the following

(0.5 x 10 = 5 Marks)

Column – A			Column – B	
(a)	Dioecious		(i)	Cloves
(b)	Species esculentum		(ii)	Damping off
(c)	Carrot		(iii)	Isothiocynates
(d)	Radish		(iv)	Pointed gourd
(e)	Fungal disease		(v)	Vitamin - A
(f)	Onion		(vi)	Leguminaceae
(g)	Amaranthus		(vii)	Tomato
(h)	Garden Pea		(viii)	Allyl propyl disulphide
(i)	Turmeric		(ix)	Oxalates
(j)	Garlic		(x)	Curcumin

Q4. Write True or False against each statement

(0.5 x 10 = 5 Marks)

- a. Fruits and vegetables are known as protective foods
- b. Cat face is a disorder of Brinjal.
- c. Daily requirement of vegetable per capita per day 100gram.
- d. Chilli belongs to the family Cucurbitaceae.
- e. Bulb is the planting material of Onion.
- f. Poinsettia is a variety of cucumber.
- g. Pusa Ruby is a variety of potato.
- h. Highest hybrid varieties in vegetables are grown in tomato.
- i. The economic part in cabbage is Head.
- j. Garlic is used as a both spice and condiment.

PART – B

Attempt ANY FIVE questions. All question carries equal marks

(6 x 5 = 30 Marks)

- 5. Write in details about different sex forms in Cucurbits. Write about harvesting maturity indices in Water melon and Musk melon.
- 6. List out the physiological disorders in Cole crops and describe about symptoms, causes and management whiptail and buttoning.
- 7. What is Olericulture? Write about scope and importance of vegetable crops in India.
- 8. Write difference between European and Asiatic carrot. Write in detail about package of practices followed in Radish.
- 9. Write in detail about processing and storage of Turmeric.
- 10. Write in details about production technology of Chilli. Write 2 varieties of Chilli and 2 varieties of Capsicum.

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