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**GIET UNIVERSITY, GUNUPUR – 765022**  
**B. Sc. (Ag.) (Third Semester) Examinations, February – 2023**  
**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. Ranga is a variety of .....crop
- b. Red colour of chilli fruit at ripening stage is due to pigment.....
- c. Scientific name of Turmeric.....
- d. Blossom end rot in tomato is due to ..... deficiency
- e. Sweet potato is propagated through.....
- f. Utkal Madhuri is variety of .....crop
- g. Varieties prefixed with Arka are released from .....
- h. In Brinjal ..... and .....style flowers set fruits
- i. Viral disease of chilli are spread by.....
- 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. Hermaphrodite with examples
- b. Metaxenia in cucurbits
- c. Truck garden
- d. Buttoning
- e. Harvesting stages of tomato

**Q3. Match the following**

**(0.5 x 10 = 5 Marks)**

Column – A		Column – B	
(a)	Dioecious	(i)	Zingiberene
(b)	Species esculentum	(ii)	Bhaskar
(c)	Carrot	(iii)	Cluster bean
(d)	Guar gum	(iv)	Pointed gourd
(e)	Chilli	(v)	Vitamin - A
(f)	Onion	(vi)	Malvaceae
(g)	Jobner green	(vii)	Tomato
(h)	Okra	(viii)	Allyl propyl disulphide
(i)	Turmeric	(ix)	Indian spinach
(j)	Ginger	(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 285gram
- d. Chilli belongs to family cucurbitaceae
- e. Mosaic in Chilli is transmitted by Aphids.
- f. All Green 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 broccoli is Head
- j. Economic part in clove is seed

**PART – B**

**Attempt ANY FIVE questions. All question carries equal marks**

**(6 x 5 = 30 Marks)**

5. What is heterostyly? Write in details about fruit setting, harvesting and grading of Brinjal. Write one important insect and one important disease of Brinjal?
6. List out the physiological disorders in cole crops and describe about symptoms, causes and management whiptail and buttoning?
7. Write about scope and importance of vegetables in India?
8. Write in detail about package of practices followed in tomato?
9. Write in detail about botany of Black pepper with diagram?
10. Write in details about production technology of chilli? Write 2 varieties of chilli and 2 varieties of Capsicum?

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