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## GIET UNIVERSITY, GUNUPUR – 765022

B. Tech (Third Semester - Regular) Examinations, December – 2022

### 21BAEPC23003 - Principles of Horticultural Crops and Plant Protection

(AGE)

Time: 3 hrs

Maximum: 70 Marks

**Answer ALL questions**

(The figures in the right hand margin indicate marks)

#### PART – A

(2 x 5 = 10 Marks)

Q.1. Answer **ALL** questions

	CO #	Blooms Level
a. Define Floriculture and Olericulture?	1	1
b. What is Nursery? List out types of nursery beds?	1	1
c. Discuss about types of flowering in Brinjal?	3	1
d. Define propagation and layering?	3	1
e. Define irrigation and fertigation	2	1

#### PART – B

(15 x 4 = 60 Marks)

Answer ALL questions

	Marks	CO #	Blooms Level
2. a. What is propagation and list of different methods of budding with examples?	8	3	1
b. Describe the procedure of T-budding with neat diagram?	7	3	2
(OR)			
c. Discuss about different seed treatment methods followed in vegetables along with examples?	8	4	2
d. Write about criteria of selection of site and layout of orchard?	7	1	1
3.a. Describe about different systems of planting?	8	2	2
b. What is potting and write about procedure of potting in detail?	7	4	2
(OR)			
c. What is pruning and write about different pruning methods?	8	3	2
d. Discuss about different growth habits of tomato and harvesting indices?	7	3	1
4.a. Write in detail about production technology for chilli?	8	3	2
b. Discuss in detail about open center system of training in fruit crops?	7	2	2
(OR)			
c. Write about the importance of ethylene and cytokinins in plant growth and development?	8	4	2
d. Write the maturity indices for any six fruit crops?	7	4	1
5.a. List out methods of irrigation and write in detail about sprinkler irrigation?	8	3	2
b. Write the scientific name, family and edible part of Banana, Grape, Tomato, Onion, Chrysanthemum and chilli?	7	1	1
(OR)			
c. Define horticulture, and write about importance of horticulture and India?	8	1	2
d. Write about different types of vegetable gardens?	7	4	2

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