I. State True or False
1. Fruit type of apple is drupe
2. Asparagus belongs to the family liliaceae
3. Saffron is a flower spice
4. Hexagonal system of planting can accommodate 15% more plants than square system
5. Mango is a climacteric fruit
6. Contour system of planting is followed in hilly areas
7. True to type progenies are obtained through vegetative propagation
8. Carbohydrate source for tissue culture plants is sucrose
9. Gibberellins are used for dormancy breaking
10. Globe artichoke is a fruit vegetable

II. Write Short notes on ANY FIVE of the following (5x2=10)
1. Training in horticultural plants
2. Role of ethylene
3. Climacteric fruits
4. High density planting
5. Graft incompatibility
6. Seed dormancy
7. Fruit drop and the causes

III. Answer ANY FIVE of the following (5x4=20)
1. Explain about epicotyl grafting
2. Differentiate between training and pruning
3. Methods to break dormancy
4. Components of a commercial nursery
5. Types of cuttings and factors affecting rooting of cuttings
6. Explain briefly about air layering
7. Principles behind micropropagation and major routes of micropropagation

IV. Write an essay on ANY ONE of the following (1x10=10)
1. Importance of horticultural crops in India
2. Planning and layout of an orchard

***********************