

Roll No.

[illegible]

Total No. of Pages : 02

Total No. of Questions : 09

B. Sc. (Hons.) Agriculture (Sem.-6)

HI-TECH HORTICULTURE

Subject Code : BSAGXXX-19

M.Code : 91801

Date of Examination : 20-01-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1. **Write briefly :**
 - a. Different structures for nursery management.
 - b. Precision Agriculture.
 - c. DGPS uses in Precision Agriculture.
 - d. High Tech Nursery.
 - e. Polytunnels.
 - f. Fertigation.
 - g. Principle of Greenhouse Technology.
 - h. GIS in Precision Agriculture.
 - i. Characteristics of fertilizers for fertigation.
 - j. Soilless culture.

SECTION-B

2. What kind of mechanization is feasible in fruit/vegetable nurseries?
3. Why canopy management is important in fruit crops?
4. Discuss the role of rootstock in High Density Planting (HDP).
5. Why it is important to check the compatibility of different fertilizers for fertigation?
6. On which basis you will select the cultivars for protected cultivation?

SECTION- C

7. Explain the consideration affecting the schedule of fertigation.
8. Why HDP is most successful in temperate fruits? Discuss **any one** important training system suitable for apple and peach.
9. What is the importance of precision farming in horticulture? Discuss the components of precision farming.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.