

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

**B.Sc. (Agriculture) (Sem.-4)**  
**PRODUCTION TECHNOLOGY FOR FRUIT AND  
PLANTATION CROPS**

**Subject Code : BSAG-405-19**

**M.Code : 79744**

**Date of Examination : 11-07-22**

**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. Enlist varieties of pomegranate.
- b. Sucker management in banana.
- c. Most suitable time of day for fruit harvesting.
- d. Stratification and scarification.
- e. Training and pruning techniques in Tea.
- f. How can the farmers regulate the flowering (bahar) to get good crop under sub-tropics?
- g. Differentiate pollination, pollinizers and pollinators.
- h. Vegetative propagation of pineapple.
- i. Why it is important to remove the spathe in banana?
- j. Granulation is common in which crop? Enlist management strategies.

## SECTION-B

2. What are plantation crops? Brief the scope and economic importance of plantation crop.
3. Discuss management strategies for fruit fly in guava.
4. Why fruit thinning is important in fruit crops? Discuss fruit thinning in Peach.
5. How can the farmers improve the fruit quality in grapes under Punjab conditions?
6. The soil test report of land is as follow: EC<1.0 millimhos/cm, Calcium carbonate < 10 %, Lime concentration < 20 % and pH = 8.7, can you suggest Kinnow cultivation in this field? If not, suggest any other suitable fruit crops for commercial cultivation.

## SECTION-C

7. What are maturity indices? What is the importance and discuss maturity indices for Citrus, Papaya, Strawberry, Peach and Sapota?
8. What is training? Discuss training system in peach and apple.
9. *'A farmer is facing a problem of severe fruit drop in Kinnow'*. What should be the scientific approach to manage this drop?

**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.**