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Total No. of Pages: 02

Total No. of Questions: 09

B.Sc. (Agriculture) (2014 & Onwards) (Sem. – 1)

HORTICULTURE-I

M Code: 72212

Subject Code: BSAG-105

Paper ID: [A3294]

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 short notes on:
 - a) High density planting
 - b) Spongy tissue
 - c) Mango Malformation
 - d) Citrus Decline
 - e) Air layering
 - f) Micropropagation
 - g) Hormones
 - h) Fruit Cracking
 - i) Gynodioecious
 - j) Clonal rootstocks

SECTION B

2. Discuss the major consideration before selecting a site for planting orchards.
3. What is training? What is the need of training? Discuss the different training systems used in tree fruit crops.
4. Write down two important varieties of Sweet orange, pear, pomegranate, litchi and plum.
5. Discuss propagation of Pineapple and banana.
6. What are advantages of vegetative propagation over sexual propagation?

SECTION C

7. Discuss the good agricultural practices for the cultivation of apple or guava.
8. Which temperate fruits are cultivated in Punjab? Discuss their importance, potential, climatic requirements, varieties, rootstocks, training systems, pruning and maturity indices.
9. Which fruit crops are grown in the Arid Region of Punjab? Briefly discuss their cultural practices.