

U-54/2061

5933/ML

B.Sc AGRICULTURE (HONS), Semester-II

HORT-101-FUNDAMENTALS OF HORTICULTURE

Max marks:100

Duration of Paper: 3 Hour

Theory: 45

INSTRUCTIONS FOR CANDIDATES

The candidates are required to attempt two questions from each section A and B and the entire section C

SECTION-A

Q 1 a) Explain economic importance of horticultural crops in Agriculture (5 marks)

b) How sexual method of propagation is different from asexual method? (4 marks)

Q 2 a) Define training of fruit plants. Discuss various methods of training with diagrams.(5 marks)

b) Discuss various fruit zones of Punjab with at least three fruits grown.(4 marks)

Q 3 Write short note on the following (3 marks each)

a) Aggregate fruits

b) Pollinizers

c) Evergreen fruits and Deciduous fruit plants

Q 4 Differentiate between the following with suitable examples (3 marks each)

a) Lathhouse and cold frames

b) Air layering and mound layering

c) Fertilization and Parthenocarpy in fruits

SECTION-B

Q1 a) Discuss various types of gardens along with suitable examples. (5 marks)

b) Write objectives of kitchen gardening. Also discuss points to be kept in mind while raising kitchen garden (4 marks)

Q 2 a) Define layout of orchard.Explain different planting methods in orchard (4.5 marks)

b) Explain the importance of plant growth regulators in horticultural crops? (4.5 marks)

Q 3 Write short note on the following (3 marks each)

a) Commercially used manures and fertilizers in orchard

b) Juvenility

c) Soil Culture

Contd - 2

Q4 Write short note on the following (3 marks each)

- a) Lawn making and problems
- b) Unfruitfulness
- c) Fruit bud differentiation

SECTION-C

Q1 Fill in the blanks (one mark each)

- 1. and are plantation crops.
- 2. is richest source of iron.
- 3. Quincunx system of planting is also known as.....
- 4. Air layering is usually done in
- 5. Based on type of fruits apple and pear can be classified as
- 6. No of plants of mango in one acre orchard
- 7.is problem of lawn caused by fungi.
- 8. and are leguminous vegetables grown in kitchen garden.
- 9. Kinnow belongs to..... family

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