Roll No……..….. **Total No. of Printed Pages: [01]**
Total No. of Questions: [09]

B.Sc. (Hons.) Agriculture (Semester – 1st)
FUNDAMENTALS OF HORTICULTURE
Subject Code: BAGRS1-157
Paper ID: [21130107]

Time: 03 Hours **Maximum Marks: 60**

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A **(2 marks each)**

Q1. Attempt the following:

a. High density planting
b. Bearing habit in fruit crops
c. Grafting.
d. Day neutral plants with suitable
e. Growth and development
f. Sub- branches of horticulture.
g. Kitchen garden
h. Intercropping
i. Windbreak
j. Sucker

Section – B **(5 marks each)**

Q2. Write down the principles of training and pruning
Q3. Enlist the different methods of irrigation .Give advantages of drip irrigation method.
Q4. Write about criteria for selection of site for establishment of fruit orchards
Q5. Give the merits and demerits of sexual propagation.
Q6. Enlist the uses of plant growth regulators in horticulture crops

Section – C **(10 marks each)**

Q7. Classify different horticultural crops based on fruit type and climatic requirements with three examples each.
Q8. Describe pollination and pollinators .Interpret different modes of pollinators with suitable examples.
Q9. Classify and discuss different systems of orchard establishment.