Roll No…….. **Total No. of Printed Pages: 1**
Total No. of Questions: [09]

B.Sc. (Hons.) Agriculture (Semester – 6th)
HI-TECH. HORTICULTURE
Subject Code: BAGRD1671
Paper ID: 19130164

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. Canopy density
b. protected cultivation
c. Fertigation
d. Soil solarization
e. Expand – GIS and DGPS
f. What is the major function of venture in micro-irrigation
g. passive remote sensing
h. What is the subsurface system of irrigation, in which crop it is used?
i. precision farming
j. Discuss mechanized harvesting in horticultural crops

Section – B **(5 marks each)**

Q2. Discuss the importance of Hi-tech horticulture
Q3. Explain the Variable Rate applicator
Q4. Elucidate the concept of High-density orcharding.
Q5. Discuss remote sensing in brief.
Q6. Illustrate the micropropagation of horticultural crops.

Section – C **(10 marks each)**

Q7. Elucidate the methods and techniques of protected cultivation.
Q8. Discuss in detail about EC, pH based fertilizer scheduling.
Q9. Explain the various application of precision farming in horticultural crops