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Total No. of Printed Pages: 1

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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