

Roll No.

Total No. of Pages: 02

Total No. of Questions: 09

B.Sc.(Agriculture)(2014 & Onwards) (Sem. – 6)

PROTECTED CULTIVATION AND POST-HARVEST TECHNOLOGY

M Code: 74350

Subject Code: BSAG-607

Paper ID: [74350]

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) Advantages of greenhouse cultivation
 - b) Greenhouse effect
 - c) Effect of radiation on greenhouse production
 - d) Rising Film Evaporators
 - e) Hydroponics and its types
 - f) Grading equipments for fruits and vegetables
 - g) Groundnut decorticator
 - h) Kothar type grain storage
 - i) Maize Sheller
 - j) Greenhouse equipments

SECTION B

2. What characteristics growing media should have?
3. Discuss the prospect of protected cultivation in India.
4. Discuss the effect of greenhouse heating and cooling on crop production in greenhouse.
5. Write the characteristics of ideal glazing material of greenhouse.
6. Discuss the structural components of greenhouse.

SECTION C

7. Which parameters have to be considered while selecting site for Greenhouse? Discuss in detail. Discuss the effect of CO₂ enrichment and ventilation on crop production in green house.
8. Discuss the types of greenhouse based on shape, utility, construction, covering materials.
9. What are different methods of irrigation in greenhouse? Discuss the components required for drip irrigation.