

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**

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**

**Q1. Write short notes on :**

- a) Nitrate leaching.
- b) Threshing.
- c) Principles of evaporation.
- d) Cleaning of fruits and vegetables.
- e) Mechanism of grain drying.
- f) Sprinkler irrigation in greenhouse.
- g) Advantages of greenhouses.
- h) Glasshouses.
- i) Castor sheller.
- j) Fan and pad cooling system.

**SECTION-B**

- Q2. What is greenhouse effect? Give the importance of greenhouse cultivation.
- Q3. What is the importance of grain drying? Explain traditional grain storage structures.
- Q4. What do you mean by winnowing? Describe the functioning of grain winnower.
- Q5. What is the principle and working of groundnut decorticator?
- Q6. What are the methods and advantages of size reduction of food items?

**SECTION-C**

- Q7. What is nutrient film technique in hydroponics? Explain with diagram.
- Q8. What is evaporation? Give the principle and functioning of common types of evaporators.
- Q9. Give the detailed economics analysis and cost estimation of greenhouse construction.

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