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B.Sc. Agriculture (2014 to 2018) (Sem.-6)

PROTECTED CULTIVATION AND POST-HARVEST TECHNOLOGY

Subject Code : BSAG-607

M.Code : 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 :**

- Paddy winnowers
- Maize Sheller
- Drying and dehydration
- Greenhouse effect
- Rotary dryers
- List green house types based on covering materials
- Hydroponics
- Fog cooling system
- Onion grader
- Bag and bulk storage

SECTION-B

2. What are requirements of good storage structure?
3. What are the advantages of green house? What is criteria for selection of crops for green houses?
4. What is the utility of cleaning process in fruit and vegetables crops and what kind of equipment is used for cleaning of fruits?
5. Write a brief account of various growing media used in green house cultivation.
6. Discuss the role of quality standards in food industry? Write note on codex alimentarius.

SECTION-C

7. Describe the criteria for designing the green house and procedure of erection of low cost green houses alongwith cost involved.
8. What are principles of evaporation and various types of evaporators? Give account of mode of operation of evaporators.
9. Discuss the response of plants to green house environment?

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.