

Roll No.

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Total No. of Pages : 02

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B.Sc- Honours (Agriculture) (Sem.-6)

PROTECTED CULTIVATION AND SECONDARY AGRICULTURE

Subject Code : BSAG-602-19

M.Code : 91793

Date of Examination : 12-01-2023

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 briefly :**
 - a) Deep bed fryer
 - b) Hot air greenhouse heating systems
 - c) Net house
 - d) Greenhouse effect
 - e) Shade net
 - f) List green house types based on covering materials
 - g) Glass house
 - h) Fluidized bed dryer
 - i) Solar dryer
 - j) Drying theory.

SECTION-B

2. Explain moisture measurement, EMC and drying theory.
3. What are criteria for selection of crops for green houses and their response to green house environment?
4. Write down the principle and working of conveyer and elevators.
5. Write a brief account of irrigation systems used in greenhouse.
6. Discuss in detail passive solar greenhouse systems and greenhouse drying.

SECTION-C

7. Describe the important engineering properties of cereals, pulses and oilseed.
8. What are the design criteria of green house for cooling and heating purposes? Give cost estimation and economic analysis.
9. Discuss in detail greenhouse technology, planning, design and types of greenhouse.

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.