

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Hons.) (Agriculture) (Sem.-4)

PROTECTED CULTIVATION

Subject Code : BSAG-417-19

M.Code : 79749

Date of Examination : 10-01-2023

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) Benches and containers used in protected cultivation
- b) Environment control
- c) Automation
- d) Greenhouse effect
- e) List green house types based on covering materials
- f) Glass house
- g) Poly tunnels
- h) Artificial light
- i) Irrigation and Fertigation
- j) Substrate management.

SECTION-B

2. Propagation and production of quality planting material.
3. Cladding material involved in green house.
4. Insect pest and disease management.
5. Off season production of flowers and vegetables.
6. Cultivation of economically important medicinal and aromatic plants.

SECTION-C

7. Discuss scope, and prospects, of protected cultivation of vegetables in Punjab, India and World with suitable examples.
8. Discuss the soil preparation and management for successful cultivation in greenhouse. On what basis, crops and their varieties can be recommended for cultivation in protected structures?
9. Discuss the production technology of successfully raising horticultural crops inside the green house?

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.