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Total No. of Pages : 02

Total No. of Questions : 08

**B.Sc. Honours (Agriculture) (Sem.-4)**

**PROTECTED CULTIVATION**

**Subject Code : BSAG-417-19**

**M.Code : 79749**

**Date of Examination : 09-07-21**

**Time : 2 Hrs.**

**Max. Marks : 60**

**INSTRUCTIONS TO CANDIDATES :**

**1. Attempt any FIVE question(s), each question carries 12 marks.**

1. Discuss the importance and scope of protected cultivation in Punjab with special reference of vegetable cultivation.
2. What is Green House? How you classify it? Also, write down the feature of each type of green house.
3.
  - a) Discuss the nursery raising of cucurbits in polythene bags along with its advantages and disadvantages.
  - b) Discuss the importance of ventilation in naturally ventilated polyhouse. How it is regulated?
4. Write short notes on the following (**Any Three**) :
  - a) Ventilation and air circulation in green house
  - b) Training and pruning of capsicum in protected structure
  - c) Use of growth regulators in green house
  - d) Fertigation
5. Discuss the cultivation of tomato in green house taking into account sowing time, method of sowing, cultivars, fertigation, training and staking, harvesting, diseases and insect-pests management.
6. Write the management practice to be adopted to control insect pest and diseases in polyhouses.

7. Discuss the role of light and temperature on the growth of vegetable crops in green house and how these are managed in such structure?
8. Discuss the sowing time, cultivars and fertilizer schedule of following crops under protected conditions :
  - a) Rose
  - b) Carnation
  - c) Gerbera
  - d) Tulip

**Note: Any student found attempting answer sheet from any other person(s), using incriminating material or involved in any wrong activity reported by evaluator shall be treated under UMC provisions.**

**Student found sharing the question paper(s)/answer sheet on digital media or with any other person or any organization/institution shall also be treated under UMC.**

**Any student found making any change/addition/modification in contents of scanned copy of answer sheet and original answer sheet, shall be covered under UMC provisions.**