

- Q.20 Write a short note on advanced protected agricultural systems. (CO4)

Q.21 Discuss about the utility repairs and structural repairs of greenhouse. (CO5)

Q.22 Describe the components of overhead sprinklers systems. (CO5)

No. of Printed Pages : 4  
Roll No. ....

220145A

4th Sem.  
Branch : Agriculture  
Sub. Green House Technology

**Time : 3 Hrs.**

M.M. : 60

## **SECTION-D**

**Note: Long answer questions. Attempt any two questions out of three Questions. (2x8=16)**

- Q.23 What do you understand by advanced protected agricultural systems? Explain in details. (CO5)

Q.24 What are the criteria for design and construction of plastic film greenhouse? (CO1)

Q.25 Explain green house and its advantages. What are criteria for selection of crops for green houses? (CO2)

**Note: Multiple type Questions. All Questions are compulsory. (6x1=6)**

- Q.1 Greenhouse effect is due to the (CO3)

  - a) Ozone layer in the atmosphere
  - b) Infrared layer
  - c) Moisture layer
  - d) CO<sub>2</sub> layer

Q.2 Which of the following is not a greenhouse gas (CO1)

  - a) Ozone gas
  - b) Methane
  - c) SO<sub>2</sub>
  - d) CO<sub>2</sub>

Q.3 Which of the following is main consideration while selection site for a greenhouse? (CO2)

  - a) Solar radiation
  - b) Water
  - c) Microclimate
  - d) Wind

Q.4 Which of the following country ranks first in green house cultivation in world? (CO1)

- a) India
- b) Japan
- c) China
- d) USA

Q.5 What type of greenhouse is constructed on hilly terrain? (CO2)

- a) Uneven span types green house
- b) Even span type greenhouse
- c) Lean to type greenhouse
- d) None of these

Q.6 Which among the following is greenhouse type based on shape? (CO2)

- a) Lean to type
- b) Even span type
- c) Ridge and furrow type
- d) All of these

### SECTION-B

**Note:** Objective/Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Which gas is present in greenhouse in very high quantity? (CO3)

Q.8 Direction of a green house should be \_\_\_\_\_. (CO2)

Q.9 Enlist types of loans of greenhouse. (CO2)

Q.10 Give the material names that are generally used for side posts. (CO1)

Q.11 PAR stands for \_\_\_\_\_. (CO3)

Q.12 Which covering materials is maximum light transmission in greenhouse? (CO1)

### SECTION-C

**Note:** Short answer type Questions. Attempt any eight questions out of ten Questions. (8x4=32)

Q.13 What is the concept behind greenhouse technology? (CO1)

Q.14 Enlist the greenhouse types based on the construction. (CO1)

Q.15 What is the automated watering system? (CO2)

Q.16 Describe the parameters of site selection of greenhouse. (CO2)

Q.17 Explain any four environmental factors that affect the greenhouse environment. (CO3)

Q.18 What do you understand by rules of watering? (CO4)

Q.19 Describe the greenhouse effect. Give names of greenhouse gases. (CO1)