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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

B.Tech II Year I Semester Supplementary Examinations August-2021

GREENHOUSE TECHNOLOGY

(Agricultural Engineering)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

- 1 a Write advantages of greenhouse. 6M
b Write about the carbon dioxide requirement to the crops. 6M

OR

- 2 a Explain greenhouse based on covering materials. 6M
b Explain about temperature, ventilation and carbondioxide. 6M

UNIT-II

- 3 Write about the active winter cooling systems with neat diagram. 12M

OR

- 4 Explain about forced ventilation and equipment used. 12M

UNIT-III

- 5 Explain about the wood, galvanized iron and glass. 12M

OR

- 6 Explain about the polyethylene and polyvinyl chloride covering material. 12M

UNIT-IV

- 7 Write about the construction of pipe framed greenhouse in detail with neat diagram. 12M

OR

- 8 a Write the rules of application of greenhouse. 6M
b Briefly explain about the hand watering and boom watering. 6M

UNIT-V

- 9 Write in detail about drying of agriculture produce and curing of tobacco with suitable sketch. 12M

OR

- 10 a Draw flowchart of capital requirements of production and explain 6M
b Explain about the hydroponic system 6M

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