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Question Paper Code: 1086362

B.E. / B.Tech. DEGREE EXAMINATIONS, NOV / DEC 2024

Sixth Semester

Agricultural Engineering

U20AG612 – PROTECTED CULTIVATION

(Regulation 2020)

Time: Three Hours

Maximum: 100 Marks

Answer ALL questions

PART – A

(10 x 2 = 20 Marks)

1. List out the growing structures.
2. Define hydroponics.
3. What is mean by integrated pest management?
4. Name the diseases occurring in tomato.
5. State protected cultivation of ornamentals in India.
6. Define staking of chrysanthemum.
7. What is meant by precision farming?
8. Define GPS and its purpose in precision farming.
9. Give the soil and spacing requirement of bhendi.
10. Which is the growing medium used for cabbage?

PART – B

(5 x 16 = 80 Marks)

11. (a) Explain about cultivation systems including nutrient film technique hydroponics and aeroponic culture. (16)

(OR)

- (b) Discuss the environmental factors that are influencing greenhouse production. (16)

12. (a) Compare various protected cultivation technology. (16)

(OR)

- (b) Elaborate gherkins cultivation under greenhouse technology. (16)

13. (a) Explain in detail about Rose cultivation under Greenhouses. (16)

(OR)

- (b) Illustrate about gerbera cultivation under Greenhouses. (16)

14. (a) Explain in detail about various technology applications in precision farming. (16)

(OR)

- (b) Brief a note on about sensors used for various agriculture operations. (16)

15. (a) Discuss about various regular the practices to be carried out for turmeric cultivation. (16)

(OR)

- (b) Explain about precision farming techniques for Banana cultivation. (16)

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