

B.VOC. DEGREE EXAMINATION, AUGUST 2018**Third Semester****SAG3S2T—PROTECTED CULTIVATION OF HORTICULTURAL CROPS**

(Common for B.Voc. Programme in Sustainable Agriculture and Food Processing and Technology)

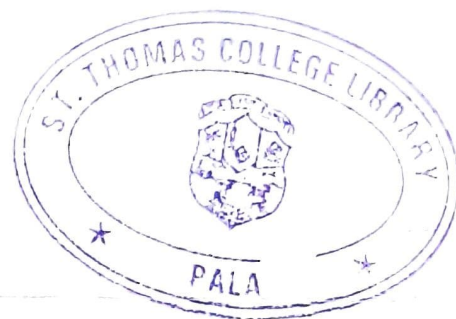
Time : Three Hours

Maximum : 80 Marks

Part A (Short Answer Questions)*Answer all questions.**Each question carries 1 mark.*

Write short notes on :

1. Grading.
2. Crop regulation.
3. Protected culture.
4. Net house.
5. Vegetable crop with rhizome.
6. Mist chamber.
7. Marketing.
8. Any two cut flowers.
9. Growing structures.
10. Mulching.



(10 × 1 = 10 marks)

Part B (Brief Answer Questions)*Answer any eight questions.**Each question carries 2 marks.*

11. What is soil decontamination ?
12. What is poly house ?
13. List the basic consideration in the operation of green house.
14. What are the ideal growing conditions for flowering plants ?
15. Differentiate between manures and fertilizers.
16. Is water management necessary for protected cultivation ?

Turn over

17. Explain about soil preparation to cultivate vegetables.
18. List the organic methods to control pest for vegetable garden.
19. Mention the importance of protected culture.
20. Mention the advantages of growing crops under protected cultivation.
21. List any two commercially important flowering plants with suckers.
22. Mention the agro-climatic requirements of flowering plants like jasmine.

(8 × 2 = 16 marks)

Part C

*Answer any six questions.
Each question carries 4 marks.*

23. Briefly describe harvesting methods of horticultural crops.
24. Give details of special horticultural practices in protected cultivation of vegetable crops.
25. Describe the type of containers used in protected culture.
26. Briefly explain environmental factors in green house.
27. Write a short note on steps for cultivation of seedlings in protected culture.
28. Differentiate between organic farming and conventional farming.
29. Write about uses of substrate for protected cultivation.
30. Briefly explain post harvest management practices of orchids.
31. Critically analyze problems and prospects of protected culture in India.

(6 × 4 = 24 marks)

Part D

*Answer any two questions.
Each question carries 15 marks.*

32. Explain postharvest handling of horticultural crops.
33. Discuss in detail about special horticultural practices in protected cultivation of flowering plants.
34. Write in detail about nutrient management in protected culture.
35. What is green house ? Add note on its structure and environment control systems in green house.

(2 × 15 = 30 marks)