

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted from the academic year 2019 –2020 & thereafter)

B.Sc. DEGREE EXAMINATION, APRIL 2024
BRANCH V(a) – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY
FOURTH SEMESTER

COURSE : **MAJOR – ELECTIVE**
PAPER : **HORTICULTURE**
SUBJECT CODE : **19BT/ME/HC45**
TIME : **3 HOURS** **MAX. MARKS: 100**

SECTION-A

A. ANSWER THE FOLLOWING

18 Marks

I. Choose the correct answer

(5x1=5)

1. What is scientific name of Onion?
a) *Allium sativum* b) *Allium cepa* c) *Azadirachta india* d) *Aloe vera*
2. The edible part of Potato is
a) Root b) Rhizome c) Tuber d) Corm
3. Vegetable production for local consumption is:
a) Market gardening b) Truck gardening c) Home gardening d) Vegetable forcing
4. Which of the following is a ripening hormone?
a) Auxin b) Gibberelic acid c) Cytokinin d) Ethylene
5. Rashtrapathi Bhavan Garden is situated at:
a) Tamil Nadu b) Telungana c) New Delhi d) Uthrapradesh

II. Fill in the blanks:

(5x1=5)

6. ICAR-Indian Institute of Horticultural Research situated at _____
7. The study of flower is called _____
8. Fruit rich source of Vitamin A is _____
9. Inarching is otherwise called _____
10. _____ is also known as Father of Horticulture in India

III. State True or False

(3x1=3)

11. Horticulture is an example of the primary sector
12. Fungicides is to control pest diseases in horticulture gardening
13. Pergola is the walk path of the garden with pillars and climbers

IV. Match the following

(1x5=5)

14. Organic gardening - *Bacillus thuringiensis*
15. The creation of vegetables - Japanese flower arrangement
16. Prevent weeds - Vermicompost
17. Microbial biopesticide - Mulching
18. Ikebana - Olericulture

**V. ANSWER ANY SIX OF THE FOLLOWING QUESTIONS IN 50 WORDS EACH:
(6x3=18)**

19. Define: Horticulture.
20. What is pot culture?
21. What do you mean by water garden?
22. Write short notes on flower beds?
23. How do you propagate potato?
24. Define vegetable forcing.
25. Enumerate the harvesting methods of Onion.
26. Write short notes on kitchen garden?
27. What is Bonsai?

SECTION-B

ANSWER ANY FOUR OF THE FOLLOWING QUESTIONS IN ABOUT 200 WORDS EACH. DRAW DIAGRAMS WHEREVER NECESSARY. (4x6=24)

28. Explain the garden implements.
29. Write an account on sexual propagation by means of seeds?
30. Enumerate the economic uses of Rose and Jasmine
31. Write short notes on terrace garden
32. List the pest and weed control management in gardens
33. Illustrate the flower arrangement and its uses

SECTION-C

ANSWER ANY TWO OF THE FOLLOWING QUESTIONS IN ABOUT 1000 WORDS EACH. DRAW DIAGRAMS WHEREVER NECESSARY. (2x20=40)

34. Write an essay on the famous gardens of India
35. Explain the vegetative propagation and its applications
36. Enumerate the organic gardening system, soil and nutrient management
37. Describe the techniques of landscaping and lawn maintenance
