

**STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086**  
**(For candidates admitted from the academic year 2015 –2016& thereafter)**

**SUBJECT CODE: 15BT/ME/HC55**

**B.Sc. DEGREE EXAMINATION, APRIL 2018**  
**BRANCH V(a) – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY**  
**FOURTH SEMESTER**

**COURSE : MAJOR – ELECTIVE**  
**PAPER : HORTICULTURE**  
**TIME : 3 HOURS** **MAX. MARKS: 100**

**SECTION-A**

**A. ANSWER THE FOLLOWING**

**18 Marks**

**I. Choose the correct answer**

**(1x5=5)**

1. Method of joining plants is popularly known as  
a) Budding   b)Grafting   c)Layering   d) Cutting
2. Brinjal originated in  
a) Africa   b)America   c)India   d) China
3. Vegetable forcing is growing vegetables in  
a) Heated buildings   b)Cold farms   c)Green houses   d) All of the above
4. Yellowing of lawn grass indicates deficiency of  
a) Nitrogen   b)Phosphorus   c)Potassium   d) Oxygen
5. Ikebana is  
a)Flower arrangement   b)Bonsai culture   c)Growing vegetables   d) Growing roses

**II. Fill in the blanks:**

**(1x5=5)**

6. The art of shaping plants to resemble animated or inanimated form is \_\_\_\_\_.
7. \_\_\_\_\_ is a common practice in guava.
8. Rock garden is also called as \_\_\_\_\_.
9. \_\_\_\_\_ help in controlling lawn dwelling pests.
10. A sealed transparent container in which plants are grown is called \_\_\_\_\_.

**III. Statewhether True or False**

**(1x4=4)**

11. Air layering is also known as gootee.
12. Water garden is the oldest art of gardening in India .
13. The ideal soil pH for lawns ranges from 5.5 – 7.0
14. Rose is commonly propagated by layering.

**IV. Match the following****(1x4=4)**

- |                            |                       |
|----------------------------|-----------------------|
| 15. <i>Duranta</i>         | a) rooting medium     |
| 16. <i>Cynadondactylon</i> | b) fence              |
| 17. Vermiculite            | c) dehydrated flowers |
| 18. Potpourri              | d) lawn               |

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

19. Edging
20. Stock
21. Propagation
22. Onion
23. Hanging basket
24. Repotting
25. Lawn mower
26. Dry flower arrangement
27. Bouquet

**SECTION-B**

**ANSWER ANY FOUR OF THE FOLLOWING QUESTIONS IN ABOUT 200 WORDS EACH.  
DRAW DIAGRAMS WHEREVER NECESSARY.**

**(4x6=24)**

28. Explain the types of garden implements used in horticulture.
29. Describe the cultivation techniques for any two vegetable crops.
30. Write about the different types of containers used in potted plants.
31. Comment on water garden.
32. List the types of lawn grasses.
33. How is Jasmine cultivated commercially?

**SECTION-C**

**ANSWER ANY TWO OF THE FOLLOWING QUESTIONS IN ABOUT 1000 WORDS EACH.  
DRAW DIAGRAMS WHEREVER NECESSARY.**

**(2x20=40)**

34. Describe in detail the methods of vegetative propagation in plants .
35. Write about the various types of gardens you have studied.
36. Explain the techniques of landscaping.
37. Describe in detail the technique of *Bonsai*.

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