

**STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086**  
**(For candidates admitted from the academic year 2011 – 12 & thereafter)**

**SUBJECT CODE: 11BT/ME/HC23**

**B. Sc. DEGREE EXAMINATION, APRIL 2015**  
**BRANCH V (A) – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY**  
**SECOND SEMESTER**

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

**SECTION – A**

**ANSWER ALL QUESTIONS**

**I. CHOOSE THE RIGHT ANSWER** **(5 x 1 = 5)**

1. Production and marketing of vegetables is known as.....  
a. Agriculture      b. Olericulture      c. Floriculture      d. Pomology
2. Porous Pot is important because it.....  
a. promotes shoot growth      b. allows exchange of gases  
c. allows exchange of moisture      d. promotes root growth
3. The plants which are suitable for lawns is.....  
a. Citronella      b. Cyanodon      c. Chloris      d. Cassia
4. The plant most suitable for Terrarium is  
a. Kalanchoe      b. Mangifera      c. Hibiscus      d. Ixora
5. Cut flower vase life can be prolonged by adding....  
a. Saridon      b. Antibiotic      c. Aspirin      d. Growth promoter

**II. FILL IN THE BLANKS** **(5 x 1 = 5)**

6. Method of raising soilless plants using mineral nutrients in solution is .....
7. Compound layering is also known as .....
8. Series of arches together is called.....
9. Cactus type of plants is grown in ..... garden.
10. The cultivation of trees in a small container is called as .....

**III. STATE WHETHER TRUE OR FALSE** **(4 x 1 = 4)**

11. T-budding is T-shaped slit made in scion.
12. Hibiscus can be used for preparing edges.
13. Sprinkler irrigation is the common method for lawn making.
14. Urea is a phosphorus fertilizer.

**IV. MATCH THE FOLLOWING****(4 x 1 = 4)**

- |                  |         |
|------------------|---------|
| 15. Pruning      | Brinjal |
| 16. Floriculture | Topiary |
| 17. Pomology     | Jasmine |
| 18. Olericulture | Mango   |

**V. ANSWER ANY SIX OF THE FOLLOWING QUESTIONS IN 50 WORDS EACH****(6 x 3 = 18)**

19. Mention any four implements used in horticulture.
20. Distinguish between budding and grafting.
21. Write the composition of a garden soil.
22. Mention the propagation methods for Onion and Mango.
23. List out the importance of earthen pots in cultivation of plants.
24. Define floriculture.
25. Differentiate carpet bed from flower bed.
26. Market garden.
27. Define Bonsai

**SECTION - B****ANSWER ANY FOUR OF THE FOLLOWING QUESTIONS IN 200 WORDS EACH.****DRAW DIAGRAMS WHEREVER NECESSARY:****(4 x 6 = 24)**

28. Explain any two garden operations.
29. Describe the cultural practices followed in banana cultivation.
30. Explain the technique used in the cultivation of plants in pots. Mention the Do's and Dont's during pot culture technique.
31. Write notes on rockery.
32. List out the methods to prolong the vase life of cut flowers.
33. Give an account of bonsai.

**SECTION – C****ANSWER ANY TWO OF THE FOLLOWING QUESTIONS IN 1000 WORDS EACH.****DRAW DIAGRAMS WHEREVER NECESSARY:****(2 x 20 = 40)**

34. Explain any five types of layering and grafting techniques.
35. Describe the gardening practices followed in the cultivation of Brinjal and Lady's finger.
36. With a blueprint, explain the important features of a kitchen garden.
37. Write notes on (a) Lawn (b) Methods of flower arrangement.

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