

**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 2019**  
**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. The common drought-resistant grass growing in sunny places is  
(a) Cynodon (b) Festuca (c) Poa (d) Pennisetum
2. Budding is commonly used for  
(a) Mango (b) Roses (c) Jasmine (d) Grasses
3. Vegetative propagation can be used for cultivation of  
(a) Brinjal (b) Ladies finger (c) Potato (d) Paddy
4. The famous jasmine in Tamil Nadu is from  
(a) Chennai (b) Hosur (c) Madurai (d) Tirunelveli
5. The art of growing miniature trees in pot is called  
(a) Terrarium (b) Ikebana (c) Rockery (d) Bonsai

**II. Fill in the blanks:**

**(1x5=5)**

6. Jasmine is commonly propagated by \_\_\_\_\_.
7. Potato is a \_\_\_\_\_ tuber.
8. Cacti are commonly seen in \_\_\_\_\_ gardens.
9. The area where grass is grown as a green carpet is called \_\_\_\_\_.
10. A sealable glass container with soil and plants is called a \_\_\_\_\_.

**III. State True or False**

**(1x4=4)**

11. The scion is always grafted on to the stock.
12. Korean grass belongs to the genus Chloris.
13. Geraniums are used as border plants.
14. A garden seat is not a garden adornment.

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

- |                    |   |                        |
|--------------------|---|------------------------|
| 15. Grafting       | - | Vermicompost           |
| 16. Onion          | - | Dry flower arrangement |
| 17. Kitchen garden | - | Bulb                   |
| 18. Amaranthus     | - | Mango                  |

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

19. Digging fork
20. Cutting
21. Guava
22. Rock garden
23. Hanging basket
24. Repotting
25. Lawn mower
26. Bouquet
27. Fountains

**SECTION-B**

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

**(4x6=24)**

28. Write notes on any 5 garden implements and their uses.
29. Describe the method of propagation by cutting.
30. Give an account of the method of pot culture.
31. Briefly describe Terrace gardening.
32. Elaborate on the method of cultivation of Ladies finger.
33. Describe the different styles of Bonsai.

**SECTION-C**

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

**(2x20=40)**

34. Briefly describe the different components of a garden
35. Describe in detail the planting, propagation and harvesting of Banana
36. Describe the following briefly
  - a) Layout of a kitchen garden
  - b) Vegetable forcing
37. Write an essay on Lawn making and its maintenance

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