

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

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

**B. Sc. DEGREE EXAMINATION, APRIL 2012**  
**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)**

- Grafting between different varieties of a species is referred as  
a) Intra varietal grafting                      b) Inter varietal grafting  
c) Inter specific grafting                      d) Inter generic grafting
- Plant not suited for rockery garden  
a) Jasmine    b) Agave                      c) Aloe                      d) Opuntia
- Which one of the following is not a variety of Guava?  
a) Allahabad    b) Lucknow 49                      c) Neelum    d) Chittidar
- The implement used for digging and loosening the surface soil  
a) Hosepipe    b) Watering can                      c) Sieve                      d) Pickaxe
- Which is not used for fresh flower arrangement?  
a) Pods                      b) Orchids                      c) Roses                      d) Chrysanthemum

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

- A technique in which evergreen plants are pruned into geometric shapes is called \_\_\_\_\_.
- Pomology refers to the study of \_\_\_\_\_.
- When the vegetative and reproductive phase is completed in one year the plant is called an \_\_\_\_\_.
- \_\_\_\_\_ is used for pruning small branches up to pencil thickness.
- Compost pits are placed in the \_\_\_\_\_ of the garden.

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

- Onion is a bulbous vegetable crop.
- Alphonso is a variety of Brinjal.
- Grafting technique is generally used for fruit crops.
- Plastic pots are heavy and porous.

**IV MATCH THE FOLLOWING**

**(4 x 1 = 4)**

- |                  |                  |
|------------------|------------------|
| 15. Sprinkler    | Garden implement |
| 16. Air layering | Banana           |
| 17. Trowel       | Lawn             |
| 18. Rasthali     | Gootee           |

**V. ANSWER ANY SIX OF THE FOLLOWING QUESTIONS IN 50 WORDS EACH**

**(6 X 3 = 18)**

19. Outline the aim of Horticulture.
20. Name any three plants suitable for hanging basket.
21. Describe 'T' Budding.
22. Mention the soil and climate suitable for cultivation of Mango.
23. Truck garden – Explain.
24. What is meant by vegetable forcing?
25. Give the propagation method of Potato.
26. Write notes on Earthen pots.
27. What are cut flowers? Give example.

**SECTION - B**

**ANSWER ANY FOUR OF THE FOLLOWING IN 200 WORDS. DRAW DIAGRAMS WHEREVER NECESSARY:**

**(4 x 6 = 24)**

28. Describe different types of ground layering.
29. Discuss the techniques of growing plants in pots.
30. Briefly describe Lawn making.
31. Explain any two methods of Grafting.
32. How will you construct a Rock garden?
33. Give a brief account of Terrarium

**SECTION – C**

**ANSWER ANY TWO IN 1000 WORDS. DRAW DIAGRAMS WHEREVER NECESSARY:**

**(2 x 20 = 40)**

34. Write an account of Bonsai technique.
35. Describe the method of propagation, planting and harvesting of Banana and Brinjal.
36. Give a detailed account of Fresh and dry flower arrangement.
37. Write notes on Kitchen garden and Terrace garden.

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