

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted from the academic year 2010 - 11)

SUBJECT CODE: BT/ME/HC24

B. Sc. DEGREE EXAMINATION, APRIL 2011
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. Banganapalli is a popular variety of
a) Banana b) Mango c) Guava d) Onion
2. The implement used to dig the soil is
a) Crow bar b) Watering can c) Knives d) Scythe
3. Soilless culture is known as
a) Hydrophilic b) Hydrophytes c) Hydroponics d) Hydrophobic
4. Grafting between the species of the same genus is
a) Intra varietal grafting b) Inter varietal grafting
c) Inter specific grafting d) Inter generic grafting
5. Which one of the following is not used for dried arrangement?
a) seeds b) pods c) grains d) Banana

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

6. Air layering is also known as _____.
7. In grafting _____ is the lower part of the rooted plant and _____ is the introduced upper part which grows into a shoot.
8. Sprinkler irrigation is the best method of watering _____.
9. _____ refers to removal of overgrowing branches.

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

10. Arboriculture refers to cultivation of trees.
11. Secateur is used for loosening the surface soil.
12. Vermiculite is the sterile mica product used as rooting medium.
13. Brinjal is a leafy vegetable.

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

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|--------------------|----------------------|
| 14. Hanging basket | Rockery |
| 15. Ikebana | Tuber |
| 16. Succulent | <i>Asparagus sp.</i> |
| 17. Potato | Flower arrangement |

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

18. Repotting
19. Vegetable forcing.
20. Cut flowers
21. Rock garden.
22. Terrarium.
23. Splice grafting.
24. Trench layering
25. Pruning shears.
26. Market garden

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

27. Write an account on the aim and scope of Horticulture.
28. Describe the various types of pots.
29. Briefly describe the structure and construction of a green house.
30. Describe the various methods of Budding.
31. Give the layout of a kitchen garden.
- 32 Explain fresh flower arrangement.

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

33. Write an account on Indoor garden and Public garden
34. Explain the propagation, planting and harvesting of Banana and Papaya.
35. Give a detail account on Lawn making and its maintenance.
36. Describe the techniques of Bonsai.
