

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted from the academic year 2008-09 & thereafter)

SUBJECT CODE: BT/ME/HC25

B. Sc. DEGREE EXAMINATION, APRIL 2009
BRANCH V (A) – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY
SECOND SEMESTER

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

SECTION – A

ANSWER ALL QUESTIONS

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

1. Scion is used in
a. Cuttings b. Grafting c. Layering d. Transplanting
2. The art of pruning woody shrubs into different shapes
a. Staking b. Top dressing c. Topiary d. Pruning
3. Ready made patch of grass slab is
a. Lawn b. Spawn c. Turf d. Cuttings
4. Which plant can be used in Terrarium
a. *Hibiscus* b. *Mangifera* c. *Kalanchoe* d. *Ixora*
5. Brinjal plant is otherwise called
a. Pot plant b. Egg plant c. Curry plant d. None

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

6. Transfer of a plant from one pot to another is _____.
7. _____ is a machine used in cutting grass of the lawn.
8. An organic soil material consisting of decomposed plants and animal matter is _____.
9. Arrangement of potted annuals and perennial plants is _____.
10. _____ is the production and marketing of vegetables.

III MATCH THE FOLLOWING (4 x 1 = 4)

- | | | |
|--------------|---|------------------------|
| 11. Layering | - | Flower arrangement () |
| 12. Alphonso | - | Dwarf plant () |
| 13. Ikbana | - | Jasmine () |
| 14. Bonsai | - | Mango () |

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

15. Hydroponics is the method of raising plants without soil and by using mineral nutrients.
16. Topiary is a glass plant case.
17. Trophy is plants with fleshy leaves.
18. *Diffenbeckia* is an indoor plant.

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

19. What is Mulching?
20. How will you differentiate formal and informal garden?
21. How do you transplant large trees?
22. Mention any three succulents.
23. What is budding?
24. Any three plant used in Rock garden.
25. What is Hanging basket?
26. Mention any three important garden implements.
27. How do you harvest Radish?

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

28. Explain the method of grafting.
29. Describe the different path and pavement patterns.
30. Design a simple layout of a kitchen garden.
31. Differentiate Market garden and Truck garden.
32. Give a short account of Flower arrangements.
33. Briefly explain the cultivation of Potato.

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

34. Write an essay on Green House.
35. Give an account of Garden implements?
36. Write notes on a) Layering b) budding c) Grafting
37. Explain the method of propagation, harvesting of Mango. Add a note on the Important varieties of Mango.
