

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 2013
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. Fork is an essential tool for
(a.) cutting (b) watering (c) digging
2. The quickest method of making a lawn is
(a) weeding (b) turfing (c) mulching
3. The process in which the plants are pruned to bring out different shapes is called
(a) rockery (b) topiary (c) layering
4. The method of growing miniature trees in containers is known as
(a) water garden (b) bonsai (c) rockery
5. Development of roots on a stem while it is still attached to the parent plant
(a) layering (b) budding (c) grafting

II. FILL IN THE BLANKS

(5 x 1 = 5)

6. *Bougainvillea* plant can be grown as a _____ in a garden.
7. *Coleus sp.* are grown as _____ or borders in a garden.
8. *Cyandon sp.* is one of the preferred choices in _____ making.
9. *Cacti* is a commonly grown plant in a _____.
10. _____ gas is produced by decaying flowers.

III. STATE WHETHER TRUE OR FALSE

(4 x 1 = 4)

11. Ikebana is a Chinese style of flower arrangement.
12. Wiring is done in plants for Bonsai.
13. Papaya is commonly propagated by grafting.
14. Compost pits are placed in the corners of every kitchen garden.

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

- | | | |
|-----------|---|-----------|
| 15. bud | - | shrubs |
| 16. stock | - | borders |
| 17. hedge | - | scion |
| 18. edge | - | rootstock |

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

19. Types of pots
20. Terrarium
21. Grafting
22. Hanging basket
23. Rock garden
24. Nursery beds
25. Pomology
26. Vegetable forcing.
27. Truck garden

SECTION - B

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

(4 x 6 = 24)

28. Give an account of the tools used for maintaining a garden.
29. How will you construct a rock garden?
30. Enumerate the scope of horticulture.
31. Discuss any two methods of layering.
32. Explain the process of potting.
33. What are the divisions in horticulture?

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.
