

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600086
(For candidates admitted during the academic year 2004-05 *thereafter*)

SUBJECT CODE: BT/AO/AB23

BSc. DEGREE EXAMINATION, April 2007
SECOND SEMESTER

COURSE : ALLIED – OPTIONAL
PAPER : APPLIED BOTANY
TIME : 3 HOURS

MAX.MARKS: 100

SECTION – A (36 MARKS)

ANSWER ALL QUESTIONS

I. MATCH THE FOLLOWING:

(6 Marks)

1. Sacred basil	Annonaceae
2. Pepper	Solanaceae
3. Coffee	Anacardiaceae
4. Rice	Poaceae
5. Cashew	Rubiaceae
6. Tobacco	Piperaceae
	Lamiaceae

II. CHOOSE THE CORRECT ANSWER

(6 Marks)

7. Agar-agar is prepared from
a) blue-green algae b) green algae c) brown algae d) red algae
8. Spawn is needed for the cultivation of
a) Spirulina b) Mushroom c) Cash crops d) Medicinal plants
9. The useful part in rubber plants is its
a) leaves b) latex c) fruits d) roots
10. Bagging is one of the steps in
a) bonsai b) hybridisation c) fermentation d) tissue culture
11. The fruits used in mixed fruit jam include
a) water melon b) guava c) coconut d) limes
12. An example of an oil crop is
a) cardamom b) gingelly c) red gram d) sugarcane

III. MENTION WHETHER TRUE OR FALSE

(6 Marks)

13. Lime pickle contains twenty five percent of salt.
14. An autoclave is used to sterilise glassware.
15. KMS is a chemical preservative.
16. Paddy straw mushroom is poisonous.
17. Carnations are used as cut flowers in horticulture.
18. Yeast is used in the manufacture of Spirulina.

IV. EXPLAIN ANY 6 OF THE FOLLOWING IN 50 WORDS EACH (18 MARKS)

19. SPIRULINA
20. FERMENTED FOODS
21. POTTING TECHNIQUE
22. HYBRID
23. END POINT TESTS
24. HANGING BASKET
25. COTTON
26. BASAL MEDIUM
27. ALOE

SECTION – B

(4 x 6 = 24 MARKS)

ANSWER ANY *FOUR* OF THE FOLLOWING. EACH ANSWER NOT TO EXCEED 200 WORDS. DRAW DIAGRAMS WHEREVER NECESSARY

28. Comment on the nutritional value of mushrooms.
29. Mention the medicinal uses of the neem and ginger plants.
30. Describe the significance of cut flowers in horticulture.
31. Give a brief account of the different types of flower arrangements.
32. How is lime syrup prepared ?
33. Write a short note on emasculation.

SECTION – C

(2 X 20 = 40 MARKS)

ANSWER ANY *TWO* OF THE FOLLOWING. EACH ANSWER NOT TO EXCEED 1000 WORDS. DRAW DIAGRAMS WHEREVER NECESSARY

34. Discuss of the manufacture of cheese.
35. Explain the production and uses of agar-agar.
36. What do you know of bio- fuels ?
37. Highlight the art of bonsai technique.
