

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted during the academic year 2011 – 2012 & thereafter)
SUBJECT CODE: 11BT/ME/FH23

B.Sc. DEGREE EXAMINATION, APRIL 2013
BRANCH V.(C).-PLANT BIOLOGY AND PLANT BIOTECHNOLOGY
SECOND SEMESTER

COURSE : MAJOR – ELECTIVE
PAPER : FOOD MICROBIOLOGY, SANITATION AND HYGIENE
TIME : 1½ HOURS **MAX. MARKS: 50**

SECTION – A

ANSWER ALL OF THE FOLLOWING. EACH ANSWER NOT EXCEEDING 50 WORDS: **(10 x 2 = 20 marks)**

1. Freezing
2. Microbial load
3. Botulism
4. Exo and endotoxins
5. Pasteurization
6. Detergents
7. Irradiation
8. Pour plate technique
9. Moulds
10. Ropiness

SECTION – B

ANSWER ANY FOUR OF THE FOLLOWING. EACH ANSWER NOT EXCEEDING 200 WORDS: **(4 x 5 = 20 marks)**

11. Describe Gram staining in Bacteria.
12. Describe the general characters of Fungi.
13. Highlight Food contamination and spoilage in vegetables.
14. Comment on Serial dilution technique.
15. Briefly explain the growth curve of bacteria.
16. Elaborate food borne illness with reference to *Salmonella*.

SECTION – C

ANSWER ANY ONE OF THE FOLLOWING. EACH ANSWER NOT EXCEEDING 600 WORDS: (1 x 10 = 10 marks)

17. Give a detailed account of Personal hygiene of food handler.
18. Describe the effect of pH, oxygen and temperature in growth of Microorganisms.
