

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 2014
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. What is blanching?
2. Comment on Aflatoxins.
3. What is cross contamination?
4. What is the role of sanitizer?
5. Explain ropiness of milk.
6. What are thermophiles?
7. Comment on Botulism.
8. Explain bacterial soft rot.
9. What are anaerobes?
10. What is thawing?

SECTION – B

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

11. Enumerate the characteristics of bacteria
12. Describe the growth curve of bacteria.
13. Explain food contamination and spoilage in vegetables and fruits.
14. Briefly explain food borne illnesses with respect to *Clostridium sp.*
15. Highlight the effect of pH and temperature on growth of micro-organisms.
16. Describe safety in food storage and safety of left-over food.

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 cleaning methods – Sterilisation and disinfection.
18. Outline the structure and layout of food premises.
