

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI -600 086

B.SC DEGREE BRANCH VI.A. -ADVANCED ZOOLOGY AND BIOTECHNOLOGY

(For candidates of academic year 2015-16 and thereafter)

SUPPLEMENTARY EXAMINATION, APRIL 2018

CODE: 15ZL|UI|FS 23

COURSE : INDEPENDENT ELECTIVE

PAPER : FUNDAMENTALS OF FOOD SCIENCE

TIME : 3 HOURS

MAX.MARKS : 100

SECTION A

ANSWER ALL QUESTIONS

(10 X 3 = 30)

1. Define food guide.
2. Comment on Kwashiorkor
3. Name four bacteria that cause spoilage of fruits and vegetables.
4. Expand : a) OTR b) GTR c) WVTR
5. What is a biopolymer ?
6. What is IQF ?
7. Mention three naturally occurring food toxicants.
8. What is food labeling ?
9. What are the primary sensations of taste ?
10. Write a note on PFA.

SECTION B

ANSWER ANY FIVE QUESTIONS

(5 X 6 = 30)

11. Outline the Basic Five food groups with examples.
12. Elaborate Bacterial growth curve.
13. Explain techniques of meat packaging.
14. Write a note on Estimation of Benzoic acid and BOAA test.
15. Describe Objective methods of Sensory Evaluation.
16. Highlight Diet therapy for Diabetes mellitus.
17. Justify use of Glass as an inert packaging material.

### SECTION C

ANSWER ANY TWO QUESTIONS

(2X20=40)

18. Describe the sensory factors affecting food acceptance.
19. Give a detailed account of Fermentation Technology. Add a note on its products.
20. Outline the methods for detection of food adulteration in Dhal, Oil, spices and Food grains.
21. Give a detailed account of Malnutrition. Add a note on the importance of nutrients.

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