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B.Sc.DEGREE (CBCS) EXAMINATION, NOVEMBER 2019

First Semester

B.Sc Food Science & Quality Control Model III

Core Course - FS1CRT03 - METHODOLOGY IN THE DISCIPLINE OF FOOD SCIENCE

2017 Admission Onwards

D181FFC9

Time: 3 Hours   Maximum Marks :80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Define Food Technology.

2. Define Food Microbiology.

3. What do you mean by Controlled Atmosphere Storage?

4. Explain Next Generation Food Products.

5. Define competitive behaviour.

6. Distinguish between cross sectional and longitudinal research.

7. Define Sample.

8. Define Type II error in Hypothesis testing.

9. Differentiate between direct and indirect observation.

10. What do you mean by Data presentation?

11. Explain the following a) Graphs b) Histograms.

12. Explain Measures of Dispersion.

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Describe the role of food science in providing safe food.

14. Packaging industry is a good example for allied industries. Discuss with suitable examples.

15. What do you mean by a product and what are the aims of a producer? Explain with suitable

examples.

16. What are the steps involved in the dealcoholisation of beer by reverse osmosis?

17. Discuss on Ranking scales and its two approaches- paired comparison and rank order.

18. Define Research Methods. Which are the major research methods applied in Food Science?

19. Explain about deductive model and inductive model.

20. Discuss on any two common scientific instruments used in food Science.

21. Explain Documentation of data and its steps adopted to do it.

$(6\times5=30)$

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain on the components of food industry with suitable illustration of a common food industry.

23. Define cross flow membrane technology. Explain its applications in food industry relating a few products.

24. Describe on the types of research design, importance of research design and explain on the charactericstics of good research design.

25. What do you mean by an experiement? Explain in detail about the experimental design.

$(2\times15=30)$