



QP CODE: 21102448



Reg No : .....

Name : .....

**B.Sc DEGREE (CBCS) EXAMINATIONS, OCTOBER 2021**

**First Semester**

B.Sc Food Science & Quality Control Model III

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

2017 Admission Onwards

9B973CD1

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

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

1. Expand FSSAI.
2. Define dired milk.
3. What is an allied industry? Give one example.
4. Why test marketing is important in NPD?
5. Which are the various forms that competitive behaviour can adopt?
6. What are the types of variables in research?
7. Explain the meaning and significance of a research design.
8. Define Experiment.
9. What is the importance of scientific instruments in the area of Food Science?
10. Descibe the nature of data.
11. What are the different statistical tools used in research? Name and explain any two.
12. Define bar diagrams.

(10×2=20)

**Part B**

*Answer any **six** questions.*

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

13. Explain on the various careers in food science.
14. Discuss on the segment marketing as the major component of Food industry.





15. Explain the processing of following product using membrane technology.
  - a) Wine
  - b) Fruit Juice
16. Differentiate between milk protein standardization, concentration and fractionation.
17. Distinguish between a) Systematic and stratified sampling b) Cluster and Area sampling
18. Briefly explain the scaling techniques in research.
19. What do you mean by a hypothesis? Which are the two types of statistical hypotheses? Explain them in brief.
20. Explain the differences between collection of data through questionnaire method and schedule method.
21. Discuss about Correlation in research.

(6×5=30)

### Part C

*Answer any **two** questions.*

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

22. Who are Food Engineers? Explain the role of Food Engineers in food manufacture to ensure safe food consumption. Explain.
23. Next generation food products are of great importance in our life. Substantiate the above statement with recent examples and their nutritional importance.
24. Discuss on Research, its types and its importance in the field of food science.
25. Define Research. Explain on deductive and inductive model used in research.

(2×15=30)

