



QP CODE: 21102444



21102444

Reg No : .....

Name : .....

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

**First Semester**

B.Sc Food Science & Quality Control Model III

**Core Course - FS1CRT01 - BASIC NUTRITION**

2017 Admission Onwards

F4DE8DA2

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

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

1. Give the definition for nutrition.
2. Compare the terms hyperkalemia and hypokalemia.
3. Define water intoxication.
4. What is meant by soluble fibre?
5. Discuss on supplementary value of proteins.
6. Quote the functions of cholesterol.
7. List the major dietary sources of fats.
8. Give the sources and functions of vitamin K.
9. Define osteoporosis.
10. Describe iodine fortification with examples.
11. Assess the major sources of energy.
12. Give the principles of direct and indirect calorimetry.

(10×2=20)

**Part B**

*Answer any **six** questions.*

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

13. Describe and classify nutrients.
14. Assess the role of nutrition in maintaining health.
15. Discuss on water balance. How can we maintain the water balance in the body?
16. Give the classification of carbohydrates. Which are the major sources of carbohydrates?
17. Write in detail about the classification of proteins.





18. Distinguish between marasmus and kwashiorkor.
19. Discuss on the classification and importance of micro nutrients.
20. Give a short note on prevention of IDD.
21. Assess the components of energy expenditure.

(6×5=30)

**Part C**

*Answer any **two** questions.*

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

22. Analyze the ecological factors of malnutrition. What are the remedial measures for controlling malnutrition?
23. Prepare an essay on the distribution ,requirements, sources and functions of water. Explain on body electrolytes.
24. Prepare an essay on the functions, sources ,deficiency disorders and daily requirements of water soluble vitamins.
25. What is meant by energy value of food? How it can be determined?

(2×15=30)

