



23104685

QP CODE: 23104685

Reg No :

Name :

**B.Sc DEGREE (CBCS) REGULAR/IMPROVEMENT/REAPPEARANCE
EXAMINATIONS, FEBRUARY 2023**

First Semester

B.Sc Clinical Nutrition and Dietetics Model III

Core Course - CN1CRT01 - BASIC NUTRITION

2017 Admission Onwards

D7FB286E

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What are accessory nutrients?
2. Write about (1) specific deficiency, (2) imbalance
3. Classify carbohydrates.
4. Why is glucose called the 'current carbohydrate coin of our body'?
5. List out enzymes responsible for carbohydrate digestion.
6. List out enzymes responsible for protein digestion.
7. What is PDCAAS?
8. List out the functions of lipids.
9. How is water intoxication occurred?
10. Write on neural mechanism.
11. Define the terms kilocalorie and Joule.
12. Give the ICMR equation for computing BMR.

(10×2=20)

Part B





*Answer any **six** questions.
Each question carries **5** marks.*

13. Give the classification of food.
14. Explain food groups and its uses.
15. Write the mechanism of dietary fibre in prevention of colon cancer.
16. Brief on the classification of amino acids and protein.
17. What are the functions of lipid in our body?
18. Write about the functions, sources and requirements of sodium.
19. Differentiate between hyperkalemia and hypokalemia.
20. What is bomb calorimeter? Illustrate with the help of a neat diagram.
21. Explain the factors affecting PAL.

(6×5=30)

Part C

*Answer any **two** questions.
Each question carries **15** marks.*

22. Write about nutritional status? How can you assess the nutritional status?
23. What is dietary fibre? Explain the physiological and metabolic effect of dietary fibre.
24. Explain the functions of water. Write about its sources and requirements.
25. What is total energy requirement? Give the components of TER and methods to assess TER.

(2×15=30)

