

**(FT N-1328)**  
**B.Sc. Degree (CBCS) Examinations**  
**AUGUST-2021**  
**EXAMINATION AT THE END OF SEMESTER - I**  
**PART - II**  
**FOOD & NUTRITION**

TIME : Three hours

Maximum : 60 Marks

**PART - A**

Answer any FIVE questions. Each question carries 4 marks

(5×4 = 20 Marks)

1. Write the functions of food?
2. Define the concept of balanced diet and write the visible symptoms of good health?
3. Write the role of vitamin B12?
4. What are the dietary sources and functions of calcium?
5. Write about Marasmus?
6. Classify lipids?
7. What are the functions of the carbohydrates?
8. What are the dietary sources of the proteins?
9. What is over hydration?
10. Explain the sources of water?

**PART - B**

Answer FIVE questions. Each Question carries 8 Marks

(5×8 = 40 Marks)

11. a) Write the digestion of carbohydrates in the body?  
(OR)  
b) What is RDA and write the RDA for the different age groups?
12. a) Write the sources, requirements and deficiency of thiamine?  
(OR)  
b) Write about the role of fat soluble vitamin - A & vitamin - K?
13. a) Discuss the functions, deficiency, RDA and dietary sources of vitamin - C?  
(OR)  
b) What are the functions of copper and give the dietary sources & RDA of copper for different age groups?
14. a) What is BMR and explain the factors that affect BMR?  
(OR)  
b) Explain the energy requirements of an individual?
15. a) Define water balance in the body and what happens if water balance is not maintained?  
(OR)  
b) Write the beneficial effects of non-nutrient constituents of food on health?

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APRIL - 2022  
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TIME : Three hours

Maximum : 60 Marks

**PART-A**

Answer any FIVE questions. Each question carries 4 Marks

(5X4=20M)

1. Write about Malnutrition
2. Explain food pyramid
3. Write the Functions of lipids
4. Explain the clinical manifestation of deficiency of proteins in the diet
5. Write the functions of carbohydrates
6. What are the dietary sources and functions of zinc
7. Write in brief about fluorine
8. Discuss the functions of Vitamin B1-Thiamine in the body
9. Write about antioxidants
10. Explain the functions and sources of water

**PART-B**

Answer ALL THE following questions.

(5 X 8 = 40 M)

11. a) Write the classification of carbohydrates and sources of carbohydrates  
or  
b) Write about the classification of lipids
12. a) Write about functions, deficiency and dietary source of vitamin-A  
or  
b) Write about functions, deficiency and dietary source of riboflavin
13. a) Explain the functions, deficiency, RDA and dietary sources of Iron  
or  
b) What are the functions of calcium? Give dietary sources and RDA of calcium for different age groups
14. a) What is BMR? Discuss the factor that affect BMR  
or  
b) Explain the determination of energy value of foods by Bomb calorimeter
15. a) What are phytochemicals? Explain their beneficial effects on health  
or  
b) Define water balance. Explain the regulation of water balance in the body

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