

B.Sc. DEGREE EXAMINATION, APRIL 2020
III Year V Semester
Nutrition - II

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20$) Marks

Answer any **TEN** questions

1. When can be substance be classified as Vitamin?
2. What is the RDA for Vitamin K?
3. Mention few food sources of Niacin.
4. What are the symptoms of deficiency of Riboflavin?
5. How do minerals contribute in muscle contraction and nerve responses?
6. Explain Zinc deficiency.
7. Write the functions of Selenium.
8. What leads to fluoride toxicity?
9. Write a short note on dehydration.
10. Write a short note on water compartments in the body.
11. What is the RDA of Potassium and Magnesium?
12. Draw the structure of Cholecalciferol and Retinol.

Section B ($5 \times 5 = 25$) Marks

Answer any **FIVE** questions

13. Explain the role played by:
 - a. Vitamin D in bone development.
 - b. Vitamin K in blood clotting process.
14. Explain the functions of Niacin in detail.
15. Why is Iron called a one-way element? List the sources of Iron.
16. Discuss the Manganese deficiency disorders.
17. Write a short note water and electrolyte mechanism.
18. Write a short note on Water Intoxication.
19. Discuss Vitamin E and Selenium relationship in the human body.

Section C ($3 \times 10 = 30$) Marks

Answer any **THREE** questions

20. Write a note on Vitamins A, D, E, and K.
21. Write in detail on the function, sources, requirements, deficiency of Niacin, Folic Acid and Ascorbic Acid
22. Write in detail the following:
 - A. Factors favouring and reducing mineral absorption.
 - B. Utilisation of Sodium
23. Write the absorption, excretion, storage, functions, requirements and RDA of Iron.
24. Write a detailed note on Water and Water Balance.

B.Sc. DEGREE EXAMINATION, APRIL 2020
III Year V Semester
Nutrition - II

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20$) Marks

Answer any **TEN** questions

1. When can a substance be classified as Vitamin?
2. What is the RDA for Vitamin K?
3. Mention few food sources of Niacin.
4. What are the symptoms of deficiency of Riboflavin?
5. How do minerals contribute in muscle contraction and nerve responses?
6. Explain Zinc deficiency.
7. Write the functions of Selenium.
8. What leads to fluoride toxicity?
9. Write a short note on dehydration.
10. Write a short note on water compartments in the body.
11. What is the RDA of Potassium and Magnesium?
12. Draw the structure of Cholecalciferol and Retinol.

Section B ($5 \times 5 = 25$) Marks

Answer any **FIVE** questions

13. Explain the role played by:
 - a. Vitamin D in bone development.
 - b. Vitamin K in blood clotting process.
14. Explain the functions of Niacin in detail.
15. Why is Iron called a one-way element? List the sources of Iron.
16. Discuss the Manganese deficiency disorders.
17. Write a short note on water and electrolyte mechanism.
18. Write a short note on Water Intoxication.
19. Discuss Vitamin E and Selenium relationship in the human body.

Section C ($3 \times 10 = 30$) Marks

Answer any **THREE** questions

20. Write a note on Vitamins A, D, E, and K.
21. Write in detail on the function, sources, requirements, deficiency of Niacin, Folic Acid and Ascorbic Acid
22. Write in detail the following:
 - A. Factors favouring and reducing mineral absorption.
 - B. Utilisation of Sodium
23. Write the absorption, excretion, storage, functions, requirements and RDA of Iron.
24. Write a detailed note on Water and Water Balance.