

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. Classify fat soluble and water soluble vitamins
2. List the different forms of vitamin K.
3. How is niacin converted to tryptophan?
4. List any two food sources of thiamine?
5. Differentiate between hypokalemia and hyperkalemia.
6. List the food sources of heme and non heme iron.
7. Give any two functions of water.
8. List any two functions of Anti- Diuretic Hormone(ADH)
9. What is GTF?
10. List the ultra trace minerals needed in our body.
11. Give the RDA of calcium for a pregnant women and infant?
12. Define infantile scurvy.

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

Answer any **FIVE** questions

13. Discuss on the functions of Vitamin D.
14. Explain the deficiency and excess intake of calcium.
15. Discuss the role of anti-oxidants in health and disease.
16. Explain the interrelationships of selenium and vitamin E
17. Discuss the deficiency symptoms and food sources of vitamin C.
18. Explain the mechanism of water balance in the human body.
19. Explain the interrelationship between vitamin E and PUFA.

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

Answer any **THREE** questions

20. Discuss the functions, deficiency symptoms of Vitamin A.
21. Enumerate the functional role of iron and deficiency symptoms in the human body
22. Explain the role of water soluble vitamins in the human body and comment on any two deficiency diseases.
23. Give a detailed description on the clinical manifestations of zinc and name its food sources.
24. Comment on water intoxication and dehydration.

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. Classify fat soluble and water soluble vitamins
2. List the different forms of vitamin K.
3. How is niacin converted to tryptophan?
4. List any two food sources of thiamine?
5. Differentiate between hypokalemia and hyperkalemia.
6. List the food sources of heme and non heme iron.
7. Give any two functions of water.
8. List any two functions of Anti- Diuretic Hormone(ADH)
9. What is GTF?
10. List the ultra trace minerals needed in our body.
11. Give the RDA of calcium for a pregnant women and infant?
12. Define infantile scurvy.

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

Answer any **FIVE** questions

13. Discuss on the functions of Vitamin D.
14. Explain the deficiency and excess intake of calcium.
15. Discuss the role of anti-oxidants in health and disease.
16. Explain the interrelationships of selenium and vitamin E
17. Discuss the deficiency symptoms and food sources of vitamin C.
18. Explain the mechanism of water balance in the human body.
19. Explain the interrelationship between vitamin E and PUFA.

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

Answer any **THREE** questions

20. Discuss the functions, deficiency symptoms of Vitamin A.
21. Enumerate the functional role of iron and deficiency symptoms in the human body
22. Explain the role of water soluble vitamins in the human body and comment on any two deficiency diseases.
23. Give a detailed description on the clinical manifestations of zinc and name its food sources.
24. Comment on water intoxication and dehydration.