

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2019**  
**III Year V Semester**  
**Nutrition - II**

**Time : 3 Hours**

**Max.marks :75**

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

Answer any **TEN** questions

1. Name vitamin D deficiency in children and adults.
2. Give four important sources of vitamin E and vitamin K.
3. What is pernicious anemia?
4. List the functions of folic acid in the body.
5. Give two functions of zinc.
6. What is Wilson's disease?
7. Bring out the relationship between glucose and chromium.
8. What is superoxide dismutase?
9. What is water intoxication?
10. List four functions of water.
11. What are the three D's of pellagra?
12. Write a note on the deficiency of fluorine.

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

Answer any **FIVE** questions

13. Explain the role of vitamin K in blood clotting.
14. Explain the functions of Thiamine and riboflavin.
15. Briefly explain iron deficiency anemia.
16. Enumerate on the relationship between selenium and vitamin E
17. Describe on the distribution of water and composition of body fluids.
18. Write short notes on biotin and pantothenic acid.
19. Brief on the importance of sodium and potassium in the body.

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

Answer any **THREE** questions

20. Describe the food sources, functions and effects of deficiency of vitamin A.
21. Explain the functions and effects of deficiency of vitamin C.
22. Elaborate on the functions and deficiency of calcium in the body.
23. Enumerate on the distribution, functions and effects of deficiency of iodine in the body.
24. Explain the role of hormone in water and electrolyte balance.

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