

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2018**  
**III Year V Semester**  
**Core Major - Paper IX**  
**NUTRITION-II**

**Time : 3 Hours**

**Max.marks :75**

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

Answer any **TEN** questions

1. What is effect of deficiency of vitamin A?
2. What are the effects of vitamin E deficiency?
3. Enlist any four food sources of folic acid.
4. Write RDA for ascorbic acid for adults and infants.
5. Write a note on Osteoporosis.
6. Explain the functions of potassium in our body.
7. How is fluoride involved in dental health?
8. List any 2 iron containing enzymes.
9. Describe any two functions of chromium in human nutrition.
10. What is water intoxication?
11. Mention any two hormones involved in water balance.
12. What is cheilosis and angular stomatitis?

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

Answer any **FIVE** questions

13. Bring out the nutritional significance of vitamin K.
14. Give the role of B vitamins in carbohydrate metabolism.
15. Explain the sources and functions of magnesium.
16. Discuss the requirements and deficiency of copper.
17. Elaborate on the chromium and glucose tolerance factor.
18. Describe the distribution of water in body.

19. Bring out the relationship between selenium and vitamin E.

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

Answer any **THREE** questions

20. What are the toxic effects of fat soluble vitamins?
21. Write about the role of vitamin  $B_{12}$  and folic acid in prevention of anaemia.
22. Explain the distribution and functions of sodium and chlorine.
23. Enumerate the sources, functions, metabolism, food sources and effects of deficiency of iron.
24. Differentiate between extracellular and intracellular fluid. Discuss the abnormalities in water balance of the body.

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