

M.Sc. DEGREE EXAMINATION, APRIL 2020
II Year IV Semester
Advanced Human Nutrition- Micro nutrients

Time : 3 Hours

Max.marks :75

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

Answer any **TEN** questions

1. What is Tetany?
2. Name potassium rich sources.
3. Write the function of manganese.
4. Mention the importance of boron and chromium.
5. State the Function of vitamin k.
6. What is tocophere Give its sources.
7. What are three D's of niacin deficiency.
8. List any two Coenzymes of B vitamin.
9. What is an antioxidant? Name few antioxidants.
10. Difference between Pre and Pro biotics.
11. Define –Xenobiotics.
12. What is Fluorosis?

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

Answer any **FIVE** questions

13. Describe the importance of sodium and chloride.
14. Explain the relationship between selenium and vitamin E.
15. Write short notes on a) Biotin b) Cyanocobalamin.
16. Enumerate the Functions, daily requirement, sources and deficiency of vitamin D.
17. Discuss briefly about Immunodeficient.
18. Discuss the Functions and effects of deficiency of Vitamin - C.
19. What happens due to deficiency of iodine. How IDD can be prevented and controlled?

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

Answer any **THREE** questions

20. Explain in detail about the functions, deficiency disease, requirement, prevention and treatment of vitamin A.
21. Write the importance, daily requirements, sources and deficiency symptoms of Calcium.
22. Recent concepts with reference to ultra-trace minerals - Discuss
23. Enumerate the importance, sources, deficiency disease and requirements of
a) Folic acid b) Pyridoxine.
24. Describe elaborately about the importance of functional foods.

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