

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN  
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)

Chromepet, Chennai - 600 044.

B.Sc.NFSMD - END SEMESTER EXAMINATIONS - APRIL 2025

SEMESTER - V

**21UFMCT5009 - Nutrition - II**

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

### Section B

Answer any **SIX** questions ( $6 \times 5 = 30$  Marks)

1. List the functions, deficiency and sources of vitamin D.
2. Describe the functions, deficiency and sources of phosphorus.
3. Relate the interrelationship between chromium and glucose tolerance factor.
4. Interpret on distribution and maintenance of electrolytes in the body.
5. Explain on food sources, requirements and functions of vitamin C.
6. Explain on food sources, requirements and functions of zinc.
7. Relate the interrelationship between calcium and vitamin D.
8. Infer on causes of water imbalance, dehydration, electrolyte loss and water intoxication.

### Section C

Answer any **THREE** questions ( $3 \times 10 = 30$  Marks)

9. Explain the metabolism, functions, deficiency and hypervitaminosis of Vitamin A.
10. Interpret on functions, food sources, requirements for different age groups and effects of deficiency of thiamine.
11. Justify the function, deficiency and hyper vitaminosis of Iron.
12. Relate the interrelationship between Selenium and Vitamin E.
13. Assess on water exchange between plasma and interstitial fluid & Osmolar regulation, Function of water and Composition of body fluids.

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