

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.CND - END SEMESTER EXAMINATIONS - APRIL 2025

SEMESTER - V

**20UNDCT5009 - Human Nutrition - II**

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

### **Section B**

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

1. Indicate the metabolism and functions of Vitamin D.
2. Relate the functions and deficiency of Thiamine.
3. Illustrate on the types of vitamin deficiency anemia.
4. Interpret the distribution of ultra trace minerals with its functions.
5. Sketch on the relationship between glucose tolerance factor and trace minerals.
6. Prepare flowchart on water exchange between plasma and interstitial fluid and detail it.
7. Describe on the functions and requirement of folic acid.
8. Ascertain the role of hormones in electrolyte balance.

### **Section C**

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

9. Explain about the food sources, requirements and effects of deficiency of Vitamin A.
10. Diagnose the functions and manifestation due to the deficiency of ascorbic acid.
11. Infer on the food sources, RDA and effects of deficiency of calcium, magnesium and potassium.
12. Relate selenium and vitamin E.
13. Criticize the impact of drug on nutrient absorption and effect of nutrient on drugs.

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