

**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. END SEMESTER EXAMINATIONS NOVEMBER-2022**

**SEMESTER - V**

**20UNDCT5009 - Human Nutrition II**

**Total Duration : 2 Hrs 30 Mins.**

**Total Marks : 60**

**Section A**

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

1. Explain the deficiency of vitamin D in children and adults.
2. Identify measures to combat iron deficiency anaemia and suggest food sources of haem and non- haem iron.
3. Compute the relationship between selenium and vitamin E.
4. Interpret the functions of water in the body.
5. Discuss the role of B vitamins in carbohydrate, protein and fat metabolism.
6. Infer the effects of zinc deficiency.
7. Relate chromium and glucose tolerance factor.
8. Examine the distribution of water in the body.

**Section B**

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

9. Explain the clinical symptoms of vitamin A deficiency.
10. Analyse the functions and typical deficiency symptoms of vitamin C.
11. Ascertain the importance of calcium and phosphorus in human nutrition.
12. Compute the spectrum of iodine deficiency disorders and analyse the steps taken to prevent IDD.
13. Elaborate on the regulation of water balance.

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