

**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.**

M.Sc. - END SEMESTER EXAMINATIONS APRIL - 2022

SEMESTER - III

20PNDCT3007 - Micro Nutrients

Total Duration : 3 Hrs.

Total Marks : 60

Section A

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

1. Explain the importance of sodium and potassium in our daily diet.
2. Elucidate the current research findings on role of calcium and iron in prevention of various degenerative disorders
3. Describe the role of zinc and explain the role the interrelationship of zinc and vitamin A.
4. What are the sources of Thiamine? Explain its functions and effects of its deficiency.
5. State the biochemical functions of Vitamin-K. Explain the interaction of Vitamin-K with other nutrients.
6. List the functions of folic acid. Justify the importance of folic acid in pregnant women.
7. Explain the importance of choline and inositol
8. Discuss the antinutritional factors present in various food groups

Section B

Part A

Answer any **TWO** questions ($2 \times 10 = 20$ Marks)

9. Name the different immune nutrients and explain their importance
10. Explain the functions and metabolism of vitamin D. Why Vitamin D is of special concern in infant nutrition?
11. Describe the functions and factors affecting the absorption of calcium.
12. Discuss in detail about the causes, symptoms, prevention and treatment of iron deficiency anaemia

Part B

Compulsory question ($1 \times 10 = 10$ Marks)

13. Describe the aetiology and functions of vitamin A. Which age group is susceptible to vitamin A deficiency? why?
