

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 EXAMINATION APRIL/NOV - 2021

SEMESTER - III

20PNDCT3007 - Micro Nutrients

Total Duration : 3 Hrs	Total Marks : 75
MCQ : 30 Mins	MCQ : 15
Descriptive : 2 Hrs.30 Mins	Descriptive : 60

Section B

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

1. Describe the functions of Calcium.
2. Illustrate the food sources and deficiency of Zinc and Iodine.
3. Explain the Functions of Vitamin D?
4. Describe the Food sources and deficiency of thiamine and folic acid.
5. Classify functional food and nutraceuticals.
6. Explain the recent research of Sodium and Potassium?
7. Relate nutrients Selenium and Vitamin E.
8. Illustrate about Immuno nutrients and Antioxidants.

Section C

Part A

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

9. Determine the food sources, requirement and deficiency of Magnesium and Chloride.
10. Discriminate recent research of micro mineral - Iron
11. Determine the food sources, requirement and deficiency of Vitamin C and B12.
12. Associate Food and drug interactions.

Part B

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

13. Critique the functions, food sources, requirement, deficiency and toxicity of Vitamin A and E.