

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.(FSND) END SEMESTER EXAMINATIONS NOVEMBER - 2023

SEMESTER - I

**20PNDCT1003 - Macronutrients**

Total Duration : 2 Hrs. 30 Mins.

Total Marks : 60

### **Section B**

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

1. Identify the physiological functions of protein.
2. Relate the toxic effects of sugar alcohols.
3. Infer the importance of dietary fibre in health and diseases.
4. Discuss on hypocholesterolaemic foods.
5. Explain the sources, functions and requirements of water.
6. Briefly explain PAL.
7. Describe the role of hormones in regulation of water balance.
8. Write a note on Essential Amino acids.

### **Section C**

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

9. Interpret the factors affecting BMR.
10. Explain in detail sources and physiological functions of fat.
11. Determine the methods to evaluate protein quality.
12. Elucidate on consequences of dehydration and water intoxication.

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

13. Classify carbohydrates and discuss on the therapeutic uses of glucose.

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