

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 NOVEMBER - 2022

SEMESTER - I

20PNDCT1003 - Macro Nutrients

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

Section A

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

1. Discuss on direct calorimetry method to measure BMR.
2. Explain the role of hunger and satiety centres in the regulation of food intake.
3. Elaborate on the toxic effects of fructose, xylitol, and galactose.
4. Illuminate the importance of proteins and factors affecting protein utilisation .
5. Describe the types and role of lipoproteins in health
6. Explain the factors influencing distribution of body fluid.
7. Discuss on therapeutic uses of carbohydrates and sugars in parenteral nutrition.
8. Describe the importance of hypocholesterolemic foods

Section B

Part A

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

9. Explain the types and physiological functions of dietary fiber in health and disease.
10. Discuss critically, the study methods used for assessment of protein quality.
11. Describe the role of essential fatty acids in human nutrition
12. Explain on total energy requirement of an adult man aged 31 years and weighing 62kg

Part B

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

13. Discuss elaborately on how body maintains water and electrolyte balance.
