

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 EXAMINATION APRIL/NOV - 2021

SEMESTER - III

20UNDCT3005 - Human Nutrition - I

<b>Total Duration : 3 Hrs</b>	<b>Total Marks : 75</b>
MCQ : 30 Mins	MCQ : 15
Descriptive : 2 Hrs.30 Mins	Descriptive : 60

Section B

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

1. Discuss the functions of protein and amino acid.
2. Explain the characteristics of animal and vegetable fats.
3. Describe the indispensable and dispensable amino acids.
4. Evaluate the daily energy requirements for an adult woman.
5. Differentiate between under nutrition and over nutrition.
6. Discriminate the soluble and insoluble fibres.
7. Describe the function of foods.
8. Explain the factors affecting the Basal Metabolic Rate.

Section C

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

9. Compare the inter relationship between nutrition and health.
10. Determine the energy value of foods using Bomb Calorimeter.
11. Appraise the effect of protein deficiency.
12. Explain the deficiency, sources and functions of essential fatty acids.
13. Discuss the role of fibre in human nutrition.