

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

21UFMAT3003 - Nutritional Biochemistry

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. Elaborate on enzyme classification.
2. Enumerate on electron transport chain.
3. Explain the regulation of blood glucose level.
4. Write in detail about lipid classification.
5. Classify protein and amino acids.
6. Write the functions of lipoproteins.
7. Explain the hormonal regulation of macronutrient metabolism.
8. Write the functions of nucleic acids.

Section C

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

9. Explain the factors affecting enzymatic activity.
10. Explain glycolysis cycle with energetics.
11. Explain urea cycle.
12. Discuss biosynthesis of cholesterol.
13. Discuss the interrelationship between carbohydrate, fat and protein metabolism.