

Roll.No.

21UFMAT3003

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.NFSMD - END SEMESTER EXAMINATIONS - NOVEMBER 2025

SEMESTER - III

21UFMAT3003 -Nutritional Biochemistry

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

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

1. Give the reactions of TCA cycle.
2. Describe the reactions of Urea cycle.
3. Elucidate the reactions of oxidative deamination and transamination.
4. Classify lipoproteins.
5. Describe the β -oxidation of fatty acids.
6. Give the IUPAC classification of enzymes.
7. Write a note on high energy compounds.
8. Discuss the hormonal regulation of carbohydrate metabolism.

Section C

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

9. Describe the reactions of glycolysis.
10. Elaborate on the four levels of protein structure
11. Describe the biosynthesis of cholesterol.
12. Write an essay on different types of enzyme inhibition.
13. Discuss the interrelationship between carbohydrate, protein and fat metabolism.
