

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.CND - END SEMESTER EXAMINATIONS - APRIL 2025

SEMESTER - III

20UNDAT3003- Fundamentals of Biochemistry

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

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

1. List the importance of enzymes in human nutrition.
2. Write the reactions of glucose.
3. Draw and explain urea cycle.
4. Brief on β -oxidation of fatty acids.
5. Write a note on galactosemia and fructosemia.
6. How are fats classified? Explain.
7. Explain denaturation and deamination.
8. Discuss the role of vitamin B in human health

Section C

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

9. a. How are enzymes classified?
b. Discuss the mechanism of enzyme action.
10. a. How fats and proteins are metabolized?
b. Explain Kreb's cycle.
11. Elaborate the structure of protein.
12. Discuss the biosynthesis of cholesterol.
13. What are nucleic acids? Explain its constituents and its biologic function.
