

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.FSND - END SEMESTER EXAMINATIONS - APRIL 2025

SEMESTER - II

20PNDCT2006 - Nutritional Biochemistry

Total Duration : 2 Hrs. 30 Mins.

Total Marks : 60

Section B

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

1. Discuss the factors affecting the enzyme activity.
2. Brief the role of free radicals in human health and aging.
3. What is the specific function of amino acids?
4. Concisely explain the stages of glycogenolysis.
5. Write about the essential fatty acids and their specific purpose.
6. Outline the classification of lipoproteins and their functions.
7. Explain the applications of xenobiotics.
8. Describe the RNA function.

Section C

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

9. Illustrate the role of antioxidants in prevention of degenerative disorders.
10. Elaborate on the regulated steps involved in the glycolysis.
11. Discuss in detail the mechanism of protein synthesis.
12. Summaries the steps of lipid metabolism.

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

13. Enumerate the Structural components and functions of nucleic acid.
