

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.Chemistry - END SEMESTER EXAMINATIONS - APRIL 2025

SEMESTER - II

20UNDAT2002 - Allied Chemistry - II

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

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

1. What happens when glucose is treated with
(a) phenyl hydrazine (b) conc. HNO_3 .
2. Write a note on classification of amino acids.
3. Define (i) analgesics. (ii) hypnotics (iii) tranquilisers with examples.
4. Differentiate DNA and RNA.
5. Describe the causes and treatment of AIDS.
6. Discuss the properties of cellulose and its derivatives.
7. Explain the preparation of alpha amino acids.
8. Discuss nucleotide, nucleoside and nucleic acid.

Section C

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

9. Discuss the open and ring structure of glucose.
10. Discuss the preparation of dipeptide using Bergman method.
11. Describe the classification of proteins based on its composition, function and shape.
12. Explain (a) local and general anaesthetics (b) Antipyretics (c) Sedatives
13. Describe the causes and treatment of diabetes and cancer.
