

Roll.No.

20UNDAT2002

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 - NOVEMBER 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. Draw the structure of sucrose.
2. Define peptide bond.
3. What are analgesics? Give an example.
4. Differentiate DNA and RNA.
5. Write the cause of diabetes.
6. Outline the process of sublimation.
7. State the principle of paper chromatography.
8. List any two applications of thin-layer chromatography.

Section C

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

9. i) Describe the synthesis of glucose.
ii) Draw the open and ring structure of glucose.
10. i) Discuss the classifications of proteins according to their composition.
ii) Write the biological functions of protein.
11. i) Explain about anesthetics and their types with examples.
ii) Discuss the cause and treatment of cancer.
12. Illustrate suitable techniques for the separation and purification of organic mixture solutions.
13. State and explain the principle and applications of column chromatography.
