

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-2023

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. Explain the functions of carbohydrates with examples.
2. Describe preparation and reactions of fructose.
3. Prepare alpha amino acids and write its properties.
4. Classify and explain protein on the basis of structure.
5. Explain the mechanisms of action of Antipyretics drugs.
6. Discuss the concept of Sedative drugs with examples.
7. Write the laboratory techniques employed for the separation of mixtures.
8. Examine the Principles of paper chromatography.

Section C

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

9. Describe the open and ring structure of glucose. Explain mutarotation.
10. Predict the structure of RNA and write its functions.
11. Compare the features of local anesthetics and general anesthetics.
12. Explain concept of separation of mixtures using steam distillation technique.
13. Write the principles and application of column chromatography.
