

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.(NFSMD) END SEMESTER EXAMINATIONS NOVEMBER -2023

SEMESTER - II

**20UFMAT2002 - 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 why carbohydrates are generally optically active.
2. Interpret how the tranquilizers work in body.
3. Classify the steps involved in crystallisation method.
4. Describe about thin layer chromatography.
5. Give the differences between primary and secondary structure of proteins.
6. What are anesthetics ? Classify them according to their function.
7. Illustrate about steam distillation.
8. Write note on paper chromatography.

### Section C

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

9. Discuss the structure elucidation of glucose.
10. i) What are aminoacids ? How they classified ? (6)  
ii) Define a) zwitter ion      b) peptide bond (2+2)
11. i) Differentiate analgesics and antipyretics with suitable example. (5)  
ii) Explain about the cause and treatment of diabetes. (5)
12. Predict the principle and application of fractional distillation.
13. Evaluate how column chromatography technique is applicable for the separation of organic compounds.

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