

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. END SEMESTER EXAMINATIONS APRIL - 2022

SEMESTER - II

20UFMAT2002 - Allied Chemistry II

Total Duration : 3 Hrs.

Total Marks : 60

Section A

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

1. What is mutarotation? Explain it with respect to glucose.
2. Enumerate the properties of Sucrose.
3. What do you Understand by Zwitterion and isoelectric point?
4. Under what conditions, would you prefer steam distillation as a purification technique.
5. Write the name's of the heterocyclic Amino acids.
6. What are the causes and prevention of Cancer?
7. What are the adsorbents used in column Chromatography? What is an eluent?
8. What are the different types of distillation?

Section B

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

9. How will you convert glucose into Fructose and Vice versa?
10. Discuss briefly on the classification of proteins with example.
11. Compare the effect of Local anesthesia and general anesthesia.
12. Write note on
a) Extraction b) Distillation c) Crystallization d) Sublimation.
13. What are the various principles used in Chromatographic separation?
