

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

20UNDAT2002 - Allied Chemistry - II

Total Duration : 3 Hrs.

Total Marks : 60

Section A

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

1. Explain the ring structure glucose.
2. What are essential amino acids? Give the names and structure of any three of them.
3. Write a short on treatment of cancer.
4. What is the basic principle involved in vacuum distillation? How are organic compounds separated by this technique?
5. Discuss any five applications of column chromatography.
6. Explain the properties of starch.
7. How is dipeptide prepared by Bergman method?
8. How is glucose converted into fructose?

Section B

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

9. Discuss in detail about cellulose and cellulose derivatives.
10. How are proteins classified? Explain their biological functions in detailed.
11. Using suitable examples explain the sublimation technique as a purification technique.
12. What is diabetes? Write a detailed account on the treatment of diabetes.
13. Write a detailed note on the principle and application of thin layer chromatography.
