

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 APRIL - 2024

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. Discuss open and ring structures of glucose.
2. How will you convert fructose and glucose.
3. What are called amino acids? And mention their classification?
4. Prepare dipeptide using Bergmann method.
5. Distinguish between DNA and RNA.
6. What are called 'protein' and 'nucleic acid'? Give an example for each one.
7. What are called 'analgesics' and 'antipyretics'? Give an example for each one.
8. Discuss the causes of diabetes and cancer.

Section C

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

9. Describe any five chemical properties of glucose.
10. Prepare Glycine using Strecker synthesis and Gabriel-Phthalimide synthesis.
11. Explain the classification of proteins based on their composition, biological functions and shapes.
12. Define the following terms and give an example.
a. Sedative b. Hypnotics c. Local Anaesthetics d. General Anaesthetics.
13. Discuss the causes and treatment methods of cancer and AIDS.
