

Roll.No.

20UFMAT2002

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.ScNFSMD - END SEMESTER EXAMINATIONS - NOVEMBER 2025

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. How is glucose converted to fructose and vice-versa? Explain.
2. Give evidence in favour of ring structure for glucose.
3. Discuss the examples of essential and non-essential amino acids.
4. Describe the preparation and properties of alpha amino acids.
5. Explain the biological functions of proteins.
6. Describe the functions of DNA and RNA.
7. Explain the therapeutic uses of analgesics.
8. Discuss the cause and treatment of diabetes.

### Section C

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

9. Explain the properties of starch and cellulose.
10. Discuss the preparation of dipeptide using Bergman method.
11. Explain the structure of proteins.
12. Describe the advantages and disadvantages of anesthetics.
13. Discuss the cause and treatment of cancer.

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