KAKINADA SRI ADITYA DEGREE COLLEGE

(AFFILIATED TO DR.B.R.AMBEDKAR UNIVERSITY)

B.SC(CHEM) IV- SEMESTER,-MID-1 EXAMINATIONS FEB -2025

DATE: 12.02.2025 Time: 3 Hrs

SUBJECT: NITROGEN & ORGANIC COMPOUNDS **Max Marks:50M**

I. Answer all of the following: 3 X 10 M= 30M

1. Explain the chemical properties of amino acids.

2. Explain that reaction with HNO_2 ,Nef reaction ,mannich and Michael addition.

3. Explain the Zwitter ion and iso electric point

II. Answer ALL of the following: 4 X 5 M= 20M

4.Explain the tautomerism of nitro alkanes .

5. Explain the preparations of nitro alkanes.

6. Explain the preparations of amino acids

7. Explain the structure of furan.

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