

# 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

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## I. Answer all of the following:

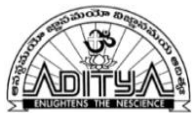
3 X 10 M= 30M

1. Explain the chemical properties of amino acids.
2. Explain that reaction with  $\text{HNO}_2$  ,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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