

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002
FIRST BNYS PART-I DEGREE SUPPLEMENTARY EXAMINATIONS - MAY, 2026
BIOCHEMISTRY

Time: 3 Hours

Max Marks: 80

Note: Answer all questions

Give diagrammatic representation wherever necessary.

PART – A (40 Marks)

Write an essay on the following:

1 X 10 = 10

1. Define proteins. Explain in detail on its structure and functions.

Write a short note on the following:

5 X 5 = 25

2. Glucose Tolerance test.
3. Phospholipids
4. Fatty liver and lipotropic factors
5. Clinical importance of enzymes and isoenzymes
6. Mineral – Calcium

Write briefly on the following

5 X 1 = 5

7. Protein Energy malnutrition
8. Ketosis
9. Pyruvate oxidation
10. Replication
11. Myoglobin

PART – B (40 Marks)

Write an essay on the following:

1 X 10 = 10

12. Explain in detail on biosynthesis and breakdown of Cholesterol.

Write short notes on the following

5 X 5 = 25

13. Stereoisomerism of monosaccharides
14. Citric acid cycle
15. Post transcriptional modifications
16. Vitamin B₁₂
17. Beta - oxidation of fatty acids.

Write briefly on the following

5 X 1 = 5

18. Biuret test
19. Jaundice
20. Invert sugar
21. Neutral fats
22. Acidosis and its types.
