

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002
B.Sc. (MLT) SECOND YEAR DEGREE EXAMINATIONS: FEBRUARY, 2026
BIOCHEMISTRY-I

Time: 3 Hours

Max Marks: 80

Note: Give Diagrammatic representation wherever necessary

Write an essay on any TWO of the following:

2 X 10 = 20

1. Classify Protein with suitable examples?
2. Describe the structure of DNA. What are the differences between DNA and RNA?
3. What are Phospholipids? Write their properties and functions.

Write a short note on any SIX of the following:

6 X 5 = 30

4. Formation of Uric acid.
5. Concentration tests and its significance.
6. Glucose tolerance test and its significance.
7. Isoelectric precipitation.
8. Chemistry of purine and pyrimidine nucleotide.
9. Flame photometry.
10. Reactions of carbohydrates.
11. Renal clearance tests.

Write briefly on the following:

10 X 3 = 30

12. How to prepare 250ml 0.1N NaOH.
13. Name three strong acids and weak acids
14. Define normality.
15. Screening tests for urine glucose.
16. Charagaff's rule.
17. Von-Gierke Disease.
18. Glycoproteins and its function,
19. Reagent blank absorption curve.
20. Principles of chemical balance.
21. DAM method.
