

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

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. What are Lipoproteins? Explain the Lipoproteins pattern in normal and diseased conditions.
2. Discuss in detail Thyroid Function Tests and add a note on Hyper Thyroidism.
3. Enumerate the tests to evaluate Renal Function.

Write a short note on any SIX of the following:

6 X 5 = 30

4. Automation.
5. Handerson Hasselbalch's reaction.
6. Cholesterol – structure and its functions.
7. Bilirubin –Jaundice.
8. Metabolic acidosis.
9. Clinically important enzymes.
10. Phenylketonuria (PKU).
11. Urine screening tests for drug abuse.

Write briefly on the following:

10 X 3 = 30

12. Give applications of recombinant DNA technology.
13. Importance of HCG and CEA.
14. Importance of Quality Control.
15. Protein estimation in CSF and its uses.
16. Micro albuminuria.
17. Protein fractionation techniques.
18. Insulin clearance and its importance.
19. Name the Non- Protein Nitrogenous substances and their normal values in Blood.
20. Normal values of Serum Uric Acid and cholesterol in Blood.
21. Normal Value of Serum acid Phosphatase and its importance.
