

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002
B.Sc. (Allied Health Sciences), FIRST YEAR DEGREE SUPPLEMENTARY
EXAMINATIONS: AUGUST, 2025

BIOCHEMISTRY

Time: 3 Hours

Max Marks: 80

Note: Answer all questions

Draw diagrams whenever necessary with Black Ball point pen /HB pencil /any dark
Color pencil.

Write essay on any TWO of the following questions:

2 X 10 = 20

1. Define Buffer and enumerate major buffers of our body and their role in Acid-base balance.
2. Discuss the IUBMB system of Enzyme classification with suitable example. Describe Substrate concentration affecting velocity of enzyme catalysing reaction.
3. Explain the sources, RDA, functions and deficiency manifestations of Vit. A.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Explain various types of Jaundice.
5. Effect of vit. D, PTH and Calcitonin on Calcium.
6. Digestion and Absorption of Carbohydrates.
7. Explain primary and secondary structure of Protein.
8. Differences between DNA and RNA.
9. Iron metabolism.

Write briefly on the following:

10 X 3 = 30

10. Replication fork.
11. Saponification.
12. Write the names of coenzymes of B-Complex vitamins.
13. Structure of Ig.
14. Normal levels of Serum creatinine, mg+, and Na+.
15. Hypervitaminosis.
16. Kwashiorkor.
17. Balanced Diet.
18. Active site and Allosteric site of enzyme.
19. Draw and label Oxygen Dissociation Curve.
