

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002
B.Sc. (ALLIED HEALTH SCIENCES) FIRST YEAR DEGREE EXAMINATIONS:
FEBRUARY, 2026
BIOCHEMISTRY
(Common for all B.Sc. (Allied Health Sciences) courses)

Time: 3 Hours

Max Marks: 80

Note: 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. Write about Dietary sources, daily requirements, functions and deficiency disorders of Vitamin A.
2. Classify carbohydrates with suitable examples. Describe the importance of Homopolysaccharides.
3. What are Nucleotides. Describe the structure of DNA.

Write a short note on any FIVE of the following: **5 X 6 = 30**

4. Describe Membrane structure.
5. Functions of Haemoglobin.
6. Factors affecting Enzyme activity.
7. Differences between Kwashiorkor and Marasmus.
8. Classify Lipoproteins and write their role in cholesterol transport.
9. Functions of Calcium.

Write briefly on the following: **10 X 3 = 30**

10. Isoenzymes.
11. Cell mediated immunity
12. Lactose Intolerance
13. Protein Supplementation.
14. Normal values of serum sodium, potassium, calcium.
15. Deficiency manifestations of Niacin
16. Clinically important liver enzymes
17. Normal range of Total Bilirubin, Direct Bilirubin and Indirect Bilirubin.
18. Fluorosis
19. Types of RNA's.
