

PAPER CODE: BN601 A&B

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002
FIRST BNYS PART-I DEGREE EXAMINATIONS: NOVEMBER 2025

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. Explain Liver function tests in detail.

Write a short note on the following:

5 X 5 = 25

2. Ketogenesis and its clinical importance.
3. Vitamin B1 and B2.
4. Polysaccharides - its classification and functions.
5. Glycogenesis and its regulation.
6. Define Amino acids. Write on its classification.

Write briefly on the following:

5 X 1 = 5

7. Glycolipids.
8. Purine bases and Pyrimidine bases.
9. Balanced diet.
10. Vandenberg test.
11. Fluorine.

PART – B (40 Marks)

Write an essay on the following:

1 X 10 = 10

12. Outline the biosynthesis and degradation of Heme.

Write a short note on the following:

5 X 5 = 25

13. Paper chromatography.
14. Write on the factors affecting water metabolism.
15. Wald's visual cycle.
16. Fructose and galactose metabolism.
17. Outline the synthesis of purine nucleotides.

Write briefly on the following:

5 X 1 = 5

18. Gouty arthritis.
19. Coenzymes.
20. Maltose.
21. Denaturation of proteins.
22. Saponification number.
