

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002**

M.D/ M.S DEGREE SUPPLEMENTARY EXAMINATIONS: MAY,2025

BIOCHEMISTRY

PAPER – IV

(CLINICAL BIOCHEMISTRY)

Time: 3 Hours

Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Write a short essay on the following:

10 X 10 = 100

1. Outline the steps in formation and fate of Bilirubin. Differentiate the types of Jaundice with an Emphasis on laboratory role in evaluation of Jaundice.
2. Classify tumor markers with suitable examples, add a note on their screening and diagnosis of cancer.
3. Describe in detail the various biochemical and calculated methods to determine GFR.
4. Describe in detail the parameters used in diagnostic efficiency of a test.
5. Lysosomal storage disorders.
6. Structure, types and functions of Immunoglobulins. Role of immunoglobulins in Health and Diseases.
7. Discuss the causes, laboratory parameters and compensatory mechanisms in Metabolic Acidosis.
8. Discuss in detail the laboratory approach to Proteinuria.
9. Diabetic Ketoacidosis.
10. a) Wilson's Disease b) PCR.
