

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

M.D/ M.S DEGREE SUPPLEMENTARY EXAMINATIONS: MARCH 2026

**BIOCHEMISTRY
PAPER – IV**

Time: 3 Hours

Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Write an essay on the following:

10 X 10 = 100

1. Biochemical alterations due to change in bicarbonate level and compensations with note on base excess and deficit.
2. Reference materials.
3. FISH (Fluorescence in Situ Hybridization).
4. Diagnostic tests and interpretation of Thyroid function tests.
5. Biochemical aspects of Thalassemia's.
6. Biochemical role of copper and disorders associated.
7. Biochemical mechanism and investigation for cystic fibrosis.
8. Blood alcohol measurement techniques.
9. Types of Porphyria.
10. Tumour specific antigens.
