

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

M.D/ M.S DEGREE EXAMINATIONS: OCTOBER 2025

BIOCHEMISTRY

PAPER – I

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. Explain composition and biological importance of phospholipids.
2. Explain applications of Radio-Isotopes in medicine.
3. Pre analytical variables.
4. Membrane transport systems.
5. High performance liquid chromatography.
6. Explain the principle and applications of poly acrylamide gel electrophoresis.
7. Explain the structure, functions and relationship of collagen and haemoglobin with suitable Illustration.
8. Explain the principles and applications of flame photometry.
9. Cytoskeleton.
10. Explain the principle and instrumentation of P^H electrode.
