

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

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

**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. Describe the advantages and disadvantages of adopting manual and modern analytical procedures in Laboratory.
2. What are the different types of Heavy Metal poisoning seen in children?
What are the different methods to diagnose them?
3. Explain the formation of Monoclonal antibodies and their applications.
4. Ethical issues of Biorepository.
5. Explain in detail about Evidence based laboratory medicine.
6. Classify Inborn errors of metabolism with suitable examples. Enumerate the Biochemical defects in them.
7. Antenatal screening.
8. Explain in detail about Tumour markers.
9. Biochemical evaluation of a patient with Congestive cardiac failure.
10. Enumerate the components of Standard operating procedure.
