

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

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

**BIOCHEMISTRY
PAPER – III**

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. What are the damages that occur in DNA replication and DNA repair mechanism.
2. Growth factors.
3. Anticancer drugs.
4. Cytokines.
5. Regulation of Gene expression in Eukaryotes.
6. Polymerase chain reaction.
7. Post transcriptional processing.
8. Role of Amino acids in detoxification.
9. Biochemical and clinical aspects of damages produced by reactive oxygen species.
10. Restriction of Endonucleases.
