

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

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

**BIOCHEMISTRY  
PAPER – II**

**Time: 3 Hours**

**Max Marks: 100**

**Note:** Answer all questions

Give Diagrammatic representation wherever necessary

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**Write an essay on the following:**

**10 X 10 = 100**

1. Write an essay on different theories of enzyme action. Add a note on active site.
2. An essay on enzymes in Acute Myocardial infarction.
3. What are the complexes of Electron transport chain? Explain the Electrochemical gradient.
4. What is the effect of Fluoride on Enolase enzyme? Explain the pathway of Glycolysis, regulation and kinetics with a note in RBC.
5. How is Fructose metabolised? Add a note on Hereditary fructose intolerance.
6. Lipid storage diseases.
7. Biochemical role of Tyrosine.
8. Significant metabolic pathways in muscle.
9. What is Hyperuricemia? Inborn errors associated with it.
10. Special products from Cholesterol. How are they formed?

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