

Q.P.CODE:149-NR

DR NTR UNIVERSITY OF HEALTH SCIENCES:: VIJAYAWADA
M.D. DEGREE EXAMINATION – **APRIL, 2019**

BIOCHEMISTRY

Paper-II : Chemistry and Metabolism.

Time: 3 Hours

Max. Marks: 100

Note: Answer all questions

All questions carry equal marks

Draw neat diagrams wherever necessary

WRITE SHORT ESSAYS ON THE FOLLOWING:

- 1) Discuss the biochemical changes in Von – Gierke's disease
- 2) Explain the biochemical changes in Diabetes Mellitus
- 3) Explain causes, effects and treatment of hyperuricemia
- 4) Explain role of pyridoxine in human metabolism
- 5) Explain the formation of specialized products of tyrosine
- 6) Metabolic actions of insulin
- 7) Low density lipoprotein (LDL) metabolism and its clinical significance
- 8) Explain with examples how futile cycles are prevented in our metabolism
- 9) Multi enzyme complexes
- 10) Explain chemiosmotic theory and oxidative Phosphorylation. Add a note on uncouplers of electron transport chain
