

149-NR

DR NTR UNIVERSITY OF HEALTH SCIENCES:: VIJAYAWADA

M.D. DEGREE EXAMINATION – NOVEMBER, 2016

**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) Explain metabolism of methionine
- 2) Explain multi enzyme complex with two examples
- 3) Hyperlipidemias
- 4) Causes and complications of obesity.
- 5) How catecholamines are synthesized? What are the tests to detect them?
- 6) Explain the formation and significance of special compounds of tyrosine
- 7) Metabolic adaptations during well fed condition
- 8) Explain regulation of glycolysis.
- 9) Uronic acid pathway and its significance
- 10) Phenylketonuria – biochemical defect, clinical presentation and laboratory evaluation.

---