

500-B

DR. NTR UNIVERSITY OF HEALTH SCIENCES:AP:VIJAYAWADA-520 008
M.B.B.S. DEGREE EXAMINATION – DECEMBER, 2015
FIRST M.B.B.S. EXAMINATION
BIOCHEMISTRY
PAPER-II

Time : 2 ½ Hours

Max. Marks : 50

Answer all questions

1) Describe in detail the biochemical functions of calcium in human body. Discuss the hormonal regulation of plasma calcium. 5+5=10

2) Describe the synthesis of DNA in detail with suitable diagram. 10

WRITE SHORT NOTES ON: 5x4=20

3) tRNA structure and function

4) Structure and classes of Immunoglobulins

5) Outline the steps of synthesis of urea

6) Blood buffers

7) Renal clearance tests

WRITE BRIEFLY ON: 5x2=10

8) Essential amino acids

9) What are oncogenes and give two examples

10) Write four causes for metabolic acidosis

11) Maple syrup urine disease

12) Mechanisms of transport across biological membranes
