

**Q.P. CODE:500-A**

DR. NTR UNIVERSITY OF HEALTH SCIENCES:AP:VIJAYAWADA-520 008

M.B.B.S. DEGREE EXAMINATION – JULY, 2018

FIRST M.B.B.S. EXAMINATION

**BIOCHEMISTRY**

PAPER-I

Time : 2 ½ Hours

Max. Marks: 50

Note: Answer all questions

Draw diagrammatic representation wherever necessary.

1) Explain the classification of enzymes citing examples. 5+5=10  
Give an account on the enzymes of diagnostic importance.

2) Describe the metabolism of low density lipoprotein (LDL). 7+3=10  
Add a note on hypercholesterolemia.

WRITE SHORT NOTES ON: 5x4=20

3) Homopolysaccharides

4) Electron transport chain

5) Functions of Vitamin C

6) Importance of HMP pathway

7) Bilirubin excretion

WRITE BRIEFLY ON: 5x2=10

8) List any four pathways located in mitochondria

9) Functions of Vitamin K

10) Importance of Rapoport Luebering Cycle

11) List any four causes of hyperbilirubinemia

12) List any four conjugating agents of Phase II detoxification

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