

500-A

M.B.B.S. DEGREE EXAMINATION – JANUARY, 2012
FIRST M.B.B.S. EXAMINATION
BIOCHEMISTRY
PAPER-I

Time : 2 ½ Hours

Max. Marks: 50

Answer all questions

1) Explain the various factors affecting the enzyme activity. Add a note on the significance of the k_m value of the enzyme. 7+3=10

2) Discuss the mitochondrial electron transport chain (E.T.C.) and the inhibitors at various sites of this chain. 10

WRITE SHORT NOTES ON: 5x4=20

3) Detoxification by conjugation.

4) Glycogen storage diseases.

5) Fatty liver and lipotropic factors.

6) Hemoglobinopathies with examples.

7) Functions and deficiency features of Pyridoxine.

WRITE BRIEFLY ON: 5x2=10

8) Define isoenzymes. Give two examples and their diagnostic use.

9) Functions of Bile Salts.

10) Energetics of TCA (tricarboxylic acid) cycle.

11) Define antioxidants. Which Vitamins have antioxidant function?

12) Respiratory Quotient.

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