

500-B

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

Time : 2 ½ Hours

Max. Marks : 50

Answer all questions

- 1) Describe the steps of transcription in Eukaryotes. 8+2=10
Give two examples for post transcriptional modifications.

- 2) Discuss the metabolism of calcium under the 1+1+4+2+2=10
following sections:
(a) sources (b) Recommended daily allowance
(c) Functions (any 4) (d) Regulation of Plasma Level
(e) Deficiency manifestations

WRITE SHORT NOTES ON:5x4=20

- 3) Plasma buffers and the role of buffers in the regulation of pH.
4) Mechanisms of action of hormones.
5) Active transport with 2 examples.
6) Biological important products derived from glycine.
7) Enumerate the liver function tests. Explain the detoxification of bilirubin by the liver.

WRITE BRIEFLY ON:5x2=10

- 8) Role of copper in iron metabolism.
9) Orotic aciduria
10) Bonds responsible for maintaining the higher levels of organization of protein structure.
11) Ribozymes.
12) Oncofetal antigens.

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