

500-A

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

Time : 2 ½ Hours

Max. Marks: 50

Answer all questions

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- 1) Explain the reactions of Glycogenesis and Glycogenolysis in liver. How are these pathways regulated? 4+3+3=10
 - 2) Give an account of the sources, chemistry, biochemical functions, deficiency diseases and daily requirement of vitamin A. 1+2+3+3+1=10

WRITE SHORT NOTES ON:

5x4=20

- 3) Ketogenesis
- 4) Porphyrias
- 5) Competitive inhibition.
- 6) Kwashiorkor and marasmus
- 7) Galactosemia

WRITE BRIEFLY ON:

5x2=10

- 8) Essential fatty acids.
- 9) What are Isomerases? Give two examples.
- 10) Sickle cell hemoglobin
- 11) Enzyme defects in essential fructosuria and hereditary fructose intolerance.
- 12) Sources and functions of Folic acid.

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