

500-A

M.B.B.S. DEGREE EXAMINATION – JULY, 2013
FIRST M.B.B.S. EXAMINATION
BIOCHEMISTRY
PAPER-I

Time : 2 ½ Hours**Max. Marks: 50****Answer all questions**

- 1) Explain the reactions of citric acid cycle emphasizing energy yield and amphibolic use of intermediates. Add a note on the energetics. 6+4=10

- 2) Describe the ketogenesis pathway and explain its significance. What are the tests done to detect the presence of ketone bodies in urine? 5+4+1=10

WRITE SHORT NOTES ON:

5x4=20

- 3) Both cellulose and starch are homopolysaccharides of glucose yet humans digest only starch. Explain why?

- 4) Porphyrias

- 5) Type I glycogen storage disease.

- 6) Serum lipoproteins

- 7) High energy compounds

WRITE BRIEFLY ON:

5x2=10

- 8) Explain why Thiamine deficiency is one of the causes for lactic acidosis

- 9) Effect of temperature on enzyme activity

- 10) Sources and deficiency manifestations of Vit.A

- 11) Proenzymes

- 12) Name different types of α -Thalassemias
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