



Q.P. Code: 105001

Reg. no.:

First Professional MBBS Degree Examinations, August 2014

BIOCHEMISTRY- PAPER I

Time: 3 Hours

Total Marks: 50

- Answer all questions
- Draw diagrams wherever necessary

Essay

(10)

1. Define beta oxidation.Explain the reactions of beta oxidation of palmitic acid.Add a note on its energetics (1+6+3=10)

Short essays

(2x5=10)

2. Tricarboxylic Acid Cycle
3. Important compounds derived from glycine.

Short notes

(5x3=15)

4. Enumerate three types of enzyme specificity.
5. Lactose intolerance.
6. Transamination
7. Significance of the HMP shunt
8. Uncouplers of oxidative phosphorylation

Answer briefly

(5x2=10)

9. Active methionine
10. Biological action of glutathione
11. Hartnup's disease
12. Clinical significance of ALP
13. Alkaptonurea

Give precise answers

(5x1=5)

14. Name the deficient enzyme in Niemann Pick disease
15. Mention the normal level of serum creatinine
16. What is iso-electric pH
17. Mention any two key enzymes of glycolysis
18. Name four lipotropic factors

