

Q.P. Code: 105001

Reg. no.: .....

First Professional MBBS Degree Examinations, August 2013

**BIOCHEMISTRY- PAPER I**

**Total Marks: 50**

**Time: 3 Hours**

- Answer all questions
- Draw diagrams wherever necessary

(10)

**Essay**

1. Discuss the metabolism of phenylalanine.

(2x5=10)

**Short essays**

2. Digestion and absorption of lipids.
3. Describe glycogen metabolism.

(5x3=15)

**Short notes**

4. Mutarotation.
5. Essential fatty acids.
6. Isoenzymes.
7. Co-enzyme Q
8. Fate of pyruvate.

(5x2=10)

**Answer briefly**

9. Regulation of cholesterol synthesis.
10. LDL receptor.
11. GABA
12. Albinism...
13. Ketogenic amino acids.

(5x1=5)

**Give precise answers:**

14. What are epimers.
15. What is lecithin and mention its use.
16. Define iso-electric pH.
17. Name two storage proteins.
18. Mention two examples of biologically important peptides.

(5x1=5)

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(5x2=10)

(3x2=6)