

Q.P. Code: 105001**Reg. no.:**

First Professional MBBS Degree Examinations, August 2013

BIOCHEMISTRY- PAPER I**Time: 3 Hours****Total Marks: 50**

- Answer all questions
- Draw diagrams wherever necessary

Essay (10)

1. Discuss the metabolism of phenylalanine.

Short essays (2x5=10)

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

Short notes (5x3=15)

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

Answer briefly (5x2=10)

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

Give precise answers: (5x1=5)

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