

**UKA TARSADIA UNIVERSITY**  
**Maliba Pharmacy College**  
**Fourth Semester B. Pharm**  
**030020403 - Pharmaceutical Biochemistry**  
**Mid semester exam - I**

**Total marks: 20**

**Date: 25/03/2013**

**Time: 60 min**

---

**Q. 1 Define followings. (Any Six)**

**06**

1. Gluconeogenesis
2. Glycogenolysis
3. Glycogenesis
4. Epimers
5. Anomeric carbon
6. Enolisation
7. Anaplerosis

**Q. 2 Answer the followings. (Any Four)**

**08**

1. Enlist various transport mechanisms across cell membrane with examples.
2. Give difference between amylose and amylopectin.
3. Write down the summary of glycolysis in tabulated manner.
4. Discuss the importance of pentose phosphate pathway.
5. Draw a well-labeled diagram explaining the mechanism of ETC and Oxidative phosphorylation.

**Q. 3 Answer the followings. (Any Two)**

**06**

1. Describe cholesterol synthesis pathway.
2. Classify amino acids.
3. Discuss  $\beta$ -oxidation of free fatty acids.

\*\*\*\*\*