

**Biochemistry Theory Preliminary Examination**

**2<sup>nd</sup> Year B. Physiotherapy, Lokhat Physiotherapy College , Surat.**

**Date: / /2017**

**Time: 2 Hours**

**Total Marks: 40**

**1. Long Question (Any One) (10)**

1. Digestion & absorption of Carbohydrate. Explain Lactose intolerance.
2. Describe different type of Protein structure. Explain primary structure's functional relationship with relevant examples (e.g. Haemoglobin, Insulin, Enzyme).

**2. Short notes. ( Any three out of four) (15)**

1. Role of 2-3 BPG on oxygen diffusion-dissociation and effect during hypoxia.
2. Mucopolysaccharide (Glycosamino glycans).
3. Rancidity of Fatty acid.
4. Pathogenesis of atherosclerosis in context of Oxidized LDL.

**3. Justify following sentence. (Any 5 out of 6) (15)**

1. Kwashiorkor leads to oedema.
2. Sucrose is non reducing sugar.
3. Fluoride containing vial is use for collecting blood for blood sugar estimation.
4. Histidine & Arginine are semi-essential amino-acid.
5. Row egg is use in treatment of metal poisoning.
6. Pancreatitis leads to steatorrhea.