

## Biochemistry Theory Preliminary Examination

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

Date: / /2017

Time: 2 Hours

Total Marks: 40

1. **Long Question (Any One)** **(10)**
  1. Explain Transportation – Detoxification of Ammonia with urea cycle. And Explain “why increase ammonia is toxic to brain?”
  2. Write types of Acid Base Balance. Explain Renal buffer mechanism in detail. Enumerate causes of Acidosis and Alkalosis.
  
2. **Short notes. ( Any three out of four)** **(15)**
  1. Effect and Type of Mutation. Explain Biochemical explanation for pathogenesis of Sickle cell disease.
  2. Name Acute and Chronic complication of Diabetes Mellitus & Explain Biochemical explanation of Diabetic Ketoacidosis
  3. Risk factor for Atherosclerosis.
  4. Lactose intolerance
  
3. **Justify following sentence. (Any 5 out of 6)** **(15)**
  1. “CK-MB is more significant marker than LDH & S.GOT for diagnosis of Myocardial infarction” explain it.
  2. Sudden withdrawal of Statin drugs will cause Hypercholesterolemia.
  3. Vitamin C deficiency can cause scurvy
  4. UV radiation can cause Xeroderma pigmentosum (skin cancer).
  5. G6PD deficiency causes hemolysis.
  6. “Alcohol inhibit gluconeogenesis,so it causes hypoglycemia,if person is on starvation.” explain it.