

Biochemistry Theory Preliminary Examination
2nd Year B. Physiotherapy, Bhartimaiya College, Surat.

Date: / /2019 Time: 2 Hours

Total Marks: 40

1. **Long Question (Any One)** **(10)**
 1. Write Haemoglobin degradation pathway. Explain Types and Causes of Jaundice. Explain how to differentiate type of Jaundice by serum and urine examination.
 2. Write type, difference and diagnosis diabetes mellitus. Enumerate complication of Diabetes mellitus and Explain biochemical reason and effect of diabetes ketoacidosis.

2. **Short notes. (Any three out of four)** **(15)**
 1. t-RNA.
 2. Formation of eicosanoids and explain its inhibitor with significance.
 3. Fates of Tyrosine & Phenylalanine & it's related disorder.
 4. Metabolism, Function and Clinical significance of Vitamin D

3. **Justify following sentence. (Any 5 out of 6)** **(15)**
 1. Primaquine administration in G6PD deficient patient can precipitate hemolytic anaemia.
 2. Alcohol causes hypoglycemia, if person is on starvation.
 3. HbS move slower than HbA in alkaline gel electrophoresis.
 4. Rancidity increases the risk of atherosclerosis.
 5. Pyridoxal phosphate deficiency can cause pellagra.
 6. Methotrexate (Folic acid analogues) is used to treat neoplastic disease.