

Biochemistry Theory Preliminary Examination
2nd Year B. Physiotherapy, Vidhyadeep College, Kim.

Date: / /2019

Time: 2 Hours

Total Marks: 40

Q-1 Explain in details. (1 out of 2)

Marks 10x1 = 10

1. Explain detoxification of ammonia with urea cycle and hyperammonemia in detail.
2. Explain different mechanisms of acid base regulation by body. Describe metabolic acidosis.

Q-2 Describe the following (3 out of 5)

Marks 5x3 = 15

1. Chemi-osmotic hypothesis of ATP synthesis.
2. Digestion & absorption of lipid
3. Significant of NADPH
4. Phenylketonuria
5. Molecular and Biochemical explanation for pathogenesis of Sickle cell disease

Q-3 Answer in Short (5 out of 7)

Marks 3x5 = 15

1. Difference between Kwashiorkor & Marasmus
2. Metabolism, Function and Clinical significance of Vitamin D
3. t-RNA.
4. Justify - Hyperkalemia can occur in Metabolic acidosis.
5. Justify - Chronic alcoholism cause gouty arthritis
6. Justify - Zwitter ions has no mobility in electrical field.
7. High HDL level is decrease risk of coronary heart disease.