

**FIRST YEAR B.D.S. DEGREE EXAM**

**PAPER II – GENERAL HUMAN PHYSIOLOGY AND BIOCHEMISTRY**

*Q.P. Code: 544202*

**Time: 180 Minutes**

**Maximum: 70 Marks**

**Draw Suitable diagrams wherever necessary  
Answer section A and B in Separate Answer Books**

**SECTION – A  
(GENERAL HUMAN PHYSIOLOGY)**

**I. Elaborate on:** (1 x 10 = 10)

1. Define Cardiac Cycle? Describe in detail about the Various Events of Cardiac Cycle.

**II. Write Notes on:** (3 x 5 = 15)

1. Hypoxia.
2. Cerebrospinal Fluid.
3. Movements of Small Intestine.

**III. Short answers:** (5 x 2 = 10)

1. Respiratory Distress Syndrome.
2. Write any two differences between Acromegaly and Gigantism.
3. Xerostomia
4. End Plate Potential.
5. Haemophillia.

**SECTION – B  
(BIOCHEMISTRY)**

**I. Elaborate on:** (1 x 10 = 10)

1. Sources, RDA, Active Forms, Biochemical Functions and Deficiency Manifestation of Ascorbic Acid.

**II. Write Notes on:** (3 x 5 = 15)

1. Structure and Functions of tRNA (With Diagram).
2.  $\beta$ - Oxidation of Fatty Acids and its Regulation with Significance.
3. Enzymes of Clinical Significance.

**III. Short answers:** (5 x 2 = 10)

1. Normal Level of Sodium, Potassium, Calcium and Phosphorus in Blood.
2. Classify Amino Acids Based on Nutritional Importance.
3. Significance of Genetic Code.
4. Definition and Types of Jaundice.
5. Gout.

\*\*\*\*\*