

[LO 653]

FEBRUARY 2019

Sub. Code: 4202

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 Blood Pressure. Describe the factors maintaining Blood Pressure. Add a note on short term regulation of Blood Pressure.

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

1. Composition and function of saliva.
2. Describe the structure of neuromuscular junction.
3. Explain Oxygen Hemoglobin Dissociation curve.

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

1. Erythrocyte Sedimentation Rate.
2. Cretinism and Dwarfism.
3. Functions of Liver.
4. Draw a labelled diagram of a simple reflex arc.
5. Name two Anti-Coagulant

SECTION – B
(BIOCHEMISTRY)**I. Elaborate on:** (1 x 10 = 10)

1. What is the normal level of Blood Urea? Describe the synthesis of Urea and add a note on Metabolic disorders associated with Urea Cycle.

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

1. Define and Name Polysaccharides.
2. Mutation.
3. Deficiency Manifestation of Vitamin A.

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

1. Essential Amino Acids.
2. Essential Fatty Acids.
3. Enzymes – clinically Important (Any two with their normal values and clinical significance).
4. Reducing property of sugar.
5. Examples for Dietary Fibers.
