

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 Hemostasis. Discuss blood coagulation in detail.

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

1. Stages of Deglutition with a diagram.
2. Transport of carbon-di-oxide.
3. Contraception in females.

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

1. State Bell Magendie law.
2. Draw a neatly labeled diagram of ECG and causes of each wave.
3. Mention any two functions of plasma proteins.
4. Mention any two peculiarities of renal circulation.
5. What is meant by Proprioception? What are the receptors for Proprioception?

SECTION – B
(BIOCHEMISTRY)

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

1. Write in detail about Tricarboxylic Acid Cycle with energetics.

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

1. Dietary fibers and their role in human nutrition.
2. Mucopolysaccharides.
3. Biochemical functions and deficiency manifestations of Vitamin D.

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

1. Scurvy.
2. Enzymes associated with liver function.
3. Ketosis.
4. Function of tRNA and mRNA.
5. Beri-beri.
