

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 the mechanical events of cardiac cycle.

II. Write Notes on: **(5 x 5 = 25)**

1. Erythroblastosis fetalis.
2. ABO Blood group system.
3. Write a note on Glomerular Filtration Rate (GFR).
4. Coronary circulation.
5. Types of Hypoxia.

SECTION – B
(BIOCHEMISTRY)

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

1. Write down the normal calcium and phosphorus levels. Describe the functions of calcium, phosphorus and vitamin D in detail.

II. Write Notes on: **(5 x 5 = 25)**

1. Glycogen storage diseases.
2. Isoenzymes.
3. Plasmalipoproteins.
4. Any two inborn errors of amino acid metabolism.
5. Liver function tests.
