

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 output. Describe factors regulating it. Add a note on measurement of cardiac output.

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

1. Erythrocyte sedimentation rate.
2. Heart Sounds.
3. Composition and functions of Saliva.
4. Vital capacity.
5. Ovulation.

SECTION – B
(BIOCHEMISTRY)

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

1. Explain beta oxidation of fatty acids with its energetics.

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

1. Functions, sources and diseases of thiamine deficiency.
2. Complications of Diabetes Mellitus.
3. Serum calcium regulation.
4. Gout.
5. Essential amino acids.
