



(FEBRUARY 2021 SESSION)

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. Describe the composition and functions of saliva and discuss about regulation salivary secretion.

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

1. Conducting system of the Heart.
2. Surfactant.
3. Functions of Hypothalamus.

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

1. Maturation factors in Erythropoiesis.
2. Sarcomere.
3. ECG in Lead II.
4. What is Ovulation? Which hormone is called "Hormone of Ovulation"?
5. Receptors for vision and their functions.

SECTION – B
(BIOCHEMISTRY)

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

1. Describe in detail the chemistry, sources, requirements, metabolic functions and deficiency manifestations of Vitamin C.

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

1. Wald's visual cycle.
2. Competitive and Non – competitive inhibition.
3. Renal Function Tests.

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

1. Lipotropic factors.
2. Heparin.
3. Pantothenic acid.
4. Selenium.
5. Pellagra.

