

[LN 653]

AUGUST 2018

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 menstrual cycle. Explain the Endometrial and ovarian changes during menstrual cycle.

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

1. Factors affecting Erythropoiesis.
2. Conducting system of heart.
3. Trace the pain pathway.

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

1. Sarcomere.
2. Action potential.
3. Function of growth hormone.
4. Name the various respiratory centres.
5. Receptors for vision.

**SECTION – B
(BIOCHEMISTRY)**

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

1. Normal Blood Glucose level. List out the Hormones Regulate Blood Glucose level. Add Notes on Diabetes Mellitus.

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

1. Ascorbic Acid.
2. Lipid profiles – significance of Cholesterol.
3. Fluorosis.

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

1. Significance of transfer RNA.
2. Gout.
3. Substances level elevated in Renal diseases and their normal values.
4. Definition of Genetic code.
5. Specialized products formed from Tyrosine.
