

[BDS 0322]

MARCH 2022
(AUGUST 2021 SESSION)**Sub. Code: 4202****FIRST YEAR B.S. DEGREE EXAM**

New Modified Revised Regulation (August 2016 Examination Session onwards)
[Common to Modified Regulation III {Candidates admitted from 2003-2004 to 2007-2008} and New Modified Regulation {Candidates admitted from 2008 – 2009 onwards}]

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. Composition and Functions of Gastric Juice.
2. Draw a Diagram and Explain Impulse Transmission at Neuro Muscular Junction.
3. Actions of Growth Hormone.

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

1. State Landsteiner's Law.
2. Mention any two functions of Hypothalamus.
3. Draw a labeled diagram of the Juxta – Glomerular Apparatus and Mention its Function.
4. What is Hering – Breuer Reflex and Mention its Significance?
5. What is Presbyopia and how it is corrected?

SECTION – B
(BIOCHEMISTRY)

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

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

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

1. Gout.
2. Liver Function Test.
3. Classification of Enzymes.

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

1. Essential Aminoacids.
2. Phenyl Ketonuria.
3. Beri-Beri.
4. Vitamin-E and Vitamin-K.
5. Homopolysaccharides.
