[BDS 0322]   **MARCH 2022**   Sub. Code: 4202
(AUGUST 2021 SESSION)

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.

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