

First Year BDS Degree Supplementary Examinations September 2023

**General Human Physiology and Biochemistry
(2016 Scheme)**

Time: 3 Hours

Max Marks: 70

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw Diagrams wherever necessary*
- *Write SECTION A and SECTION B in separate Answer books (32 Pages). Do not mix up questions from Section A and Section B.*

QP CODE: 112002

Section A - Physiology

Marks: 35

Essay:

(10)

1. Describe the mechanism of blood clotting. Add a note on anticoagulants. **(8+2)**

Short Notes:

(2x5=10)

2. Mechanism of hydrochloric acid (HCL) formation in stomach.
3. Conducting system of the heart.

Brief Notes:

(5x3=15)

4. Functions of the cerebrospinal fluid (CSF)
5. List the female contraceptive methods.
6. Name the factors controlling the Glomerular Filtration Rate (GFR).
7. Myxoedema.
8. What is hypoxia. Name two types.

QP CODE:113002

Section B - Biochemistry

Marks: 35

Essay:

(10)

1. Describe chemistry, biochemical functions, RDA and deficiency manifestations of Vitamin A

Short Notes:

(2x5=10)

2. Glycogenesis
3. Enzyme Inhibition

Brief Notes:

(5x3=15)

4. Essential fatty acids
5. Body buffers
6. Functions of albumin
7. High energy compounds
8. Biologically important nucleotides
