

2010 Scheme

Reg. No.:

First Year BDS Degree Supplementary Examinations April 2023

General Human Physiology and Biochemistry

Time: 3 Hours

Max Marks: 100

- 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:102002

Section A - Physiology

Marks: 50

Essay

(14)

1. Define haemostasis. What are the different steps of haemostasis. Describe the pathways of coagulation. (2+4+8)

Short essays

(2x8=16)

2. With the help of a diagram, discuss the various lung volumes and capacities.
3. Describe the steps in the formation of urine.

Short notes

(5x4=20)

4. Structure and properties of cardiac muscle.
5. Composition and functions of bile.
6. Posterior pituitary hormones and their functions.
7. Normal Electrocardiogram (ECG).
8. Formation and functions of Cerebrospinal fluid (CSF).

QP CODE:103002

Section B - Biochemistry

Marks: 50

Essay

(14)

1. Describe the sources, synthesis, functions and deficiency manifestations of vitamin D. ((2+4+4+4)

Short essays

(2x8=16)

2. Classify lipids. Add a note on phospholipids.
3. Describe the digestion and absorption of lipids.

Short notes

(5x4=20)

4. Explain the different factors affecting the enzyme activity.
5. How uric acid is formed in our body. Add a note on gout.
6. Glomerular and tubular functions of the kidney.
7. Name the biologically important compounds derived from glycine.
8. Name the aromatic amino acids. Add a note on phenyl ketonuria.
