

2010 Scheme

Reg. No.:

First Year BDS Degree Supplementary Examinations September 2021

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 hemostasis. Mention the steps involved in hemostasis. Describe the extrinsic pathway of coagulation. Add a note on Hemophilia. (2+4+4+4)

Short essays

(2x8=16)

2. Describe the functions of cortisol. Add a note on Cushing's syndrome (6+2)
3. Draw a neat, labelled diagram of neuro-muscular junction. Describe the transmission of an impulse across the neuro Muscular Junction. (3+5)

Short notes

(5x4=20)

4. Muscles of respiration
5. Heart sounds
6. Functions of bile
7. Hypothyroidism
8. Classify receptors

QP CODE:103002

Section B - Biochemistry

Marks: 50

Essay

(14)

1. Give the sources, required daily allowance, biochemical functions and deficiency manifestations of vitamin A (2+2+7+3)

Short essays

(2x8=16)

2. Explain the levels of protein organization
3. Describe the regulation of blood glucose level. How do you assess the glycemic status of a person

Short notes

(5x4=20)

4. Gout
5. Mention the tests done under kidney function tests
6. Name the lipoproteins and give their functions
7. Describe factors affecting enzyme action
8. Mention the deficiency diseases of the following
 - Niacin
 - Iron
 - Vitamin C
 - Riboflavin
