

**First Year BDS Degree Regular/Supplementary Examinations
January 2024**

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. Define and classify immunity. Describe the cell mediated immunity. (2+3+5)

Short Notes:

(2x5=10)

2. Define cardiac output and describe its regulation.
3. Describe the various actions of growth hormone. Add a note on acromegaly.

Brief Notes:

(5x3=15)

4. Write any three functions of surfactant.
5. Draw and label the diagram of a nephron.
6. Write any three functions of cerebellum.
7. Write any three functions of the bile.
8. List the stages of spermatogenesis.

QP CODE:113002

Section B - Biochemistry

Marks: 35

Essay:

(10)

1. Explain the regulation of normal blood sugar. Add a note on diabetes mellitus.

Short Notes:

(2x5=10)

2. Iron deficiency.
3. Compounds formed from glycine.

Brief Notes:

(5x3=15)

4. Blood buffers.
5. HDL.
6. Biochemical functions of vitamin C.
7. Difference between DNA and RNA.
8. Obstructive Jaundice.
