

Reg. No.:

First Year BDS Degree Supplementary Examinations May 2025

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 GFR. Mention its normal value. Describe the factors regulating it. (2+1+7)

Short Notes:

(2x5=10)

2. Describe the composition and functions of Surfactant.
3. Errors of refraction.

Brief Notes:

(5x3=15)

4. Enumerate the clinical features of Cushing's syndrome.
5. Enumerate the functions of Bile.
6. Write the morphological classification of Anaemia with examples
7. Neuromuscular transmission.
8. Referred pain.

QP CODE: 113002

Section B - Biochemistry

Marks: 35

Essay:

(10)

1. Describe the sources, daily requirements, deficiency manifestations of vitamin D. Add a note on the role of vitamin D in serum calcium homeostasis

Short Notes:

(2x5=10)

2. Explain the factors affecting enzyme action
3. Classify carbohydrates with examples. Add a note on epimerism

Brief Notes:

(5x3=15)

4. Nitrogen balance
5. High energy compounds
6. Functions of lipoproteins
7. Blood buffers
8. Watson-Crick model of DNA
