

Reg. No.:

First Year BDS Degree Supplementary Examinations March 2026

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 Erythropoiesis. Explain the stages of it with the help of a neat labeled diagram.
Add a note on factors regulating it. (1+6+3)

Short Notes:

(2x5=10)

2. Define hypoxia. Describe different types of hypoxia with examples
3. Describe the composition and functions of saliva

Brief Notes:

(5x3=15)

4. Draw a neat labelled diagram of a nephron
5. Name the plasma proteins and mention Two functions of them
6. Hypermetropia and its correction
7. List the properties of synapse
8. Define blood pressure and mention its normal value. What is hypertension

QP CODE:113002

Section B - Biochemistry

Marks: 35

Essay:

(10)

1. Outline the process of translation. Add a note on post translational modifications

Short Notes:

(2x5=10)

2. Explain the regulation of blood glucose homeostasis
3. Discuss beta oxidation of fatty acids

Brief Notes:

(5x3=15)

4. Role of Vitamin D in calcium homeostasis
5. Sickle cell anemia
6. Functions and toxicity of fluoride
7. List the special compounds formed from tyrosine
8. Name the enzymes of liver function tests and its importance
