

Reg. No.:

**First Year BDS Degree Regular/Supplementary Examinations
November 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 blood pressure. Give normal values. Explain the regulation of blood pressure.

(1+1+8)

Short Notes:

(2x5=10)

2. Oxygen hemoglobin dissociation curve

3. Refractive errors of eye

Brief Notes:

(5x3=15)

4. Sarcomere

5. Landsteiner's law in blood grouping

6. Male contraceptive methods

7. Mention special features of renal circulation

8. Functions of large intestine

QP CODE:113002

Section B - Biochemistry

Marks: 35

Essay:

(10)

1. Define Enzymes. Describe the classification of enzymes with suitable example

Short Notes:

(2x5=10)

2. Describe the renal regulation of pH

3. Urea cycle and associated disorders

Brief Notes:

(5x3=15)

4. Essential Fatty acids

5. Biological importance of carbohydrates

6. Deficiency manifestations of Vitamin D

7. Hemoglobinopathies

8. Name the enzymes of liver function tests and its importance
