

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

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