

**First Year BDS Degree Supplementary Examinations June 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. List the composition and functions of saliva. Describe the regulation of salivary secretion. (2+4+4)

**Short Notes:**

**(2x5=10)**

2. Describe the stages of erythropoiesis with the help of labelled diagrams.
3. Define blood pressure. Describe the baroreceptor reflex mechanism in blood pressure regulation.

**Brief Notes:**

**(5x3=15)**

4. Write three functions of insulin.
5. Explain referred pain. Write two examples.
6. Name the female contraceptive methods.
7. List the factors causing shift of Oxygen –Dissociation Curve (ODC) to the right.
8. Draw and label the Juxta Glomerular Apparatus (JGA).

**QP CODE:113002**

**Section B - Biochemistry**

**Marks: 35**

**Essay:**

**(10)**

1. Explain how Ammonia is Detoxified. Add a note on disorders of Urea Cycle.

**Short Notes:**

**(2x5=10)**

2. Functions of Albumin.
3. ELISA.

**Brief Notes:**

**(5x3=15)**

4. Lesch Nyhan Syndrome.
5. Liver Enzymes.
6. Benedict's Test.
7. Compounds formed from Cholesterol.
8. Rickets.

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