

Reg. No.:

**First Year BDS Degree Regular/Supplementary Examinations
January 2022**

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. Describe the stages of erythropoiesis. What are the factors affecting erythropoiesis.

(7+3)

Short Notes:

(2x5=10)

2. Deglutition.
3. Referred pain.

Brief Notes:

(5x3=15)

4. Functions of skin.
5. Acromegaly.
6. Respiratory changes during exercise.
7. Heart sounds.
8. Muscle proteins.

QP CODE: 113002

Section B - Biochemistry

Marks: 35

Essay:

(10)

1. Describe sources, dietary requirement, factors influencing absorption, transport, storage and excretion of Iron in the body

Short Notes:

(2x5=10)

2. Structure and functions of Lipoproteins
3. Oxidative Phosphorylation

Brief Notes:

(5x3=15)

4. Transmethylation
5. Body buffers
6. Glucose tolerance test
7. Specificity of enzymes with examples
8. Beri-beri
