

Reg. No.:

First Year BDS Degree Examinations July 2018

General Human Physiology and Biochemistry

(2016 SCHEME)

Time: 3 Hours

Max Marks: 70

- Answer all questions
- 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 origin, course and termination of pyramidal tract. Mention its functions and list the features of upper motor neuron lesion (4+3+3)

Short Notes:

(2x5=10)

2. Describe hemodynamic events during cardiac cycle with suitable pressure volume curves. (3+2)
3. Describe transport of carbon-dioxide in blood and Haldane's effect. (3+2)

Brief Notes:

(5x3=15)

4. Actions of gonadotrophic hormones
5. Re-absorption of glucose in renal tubules
6. Pernicious anemia
7. Functions of bile
8. Refractory errors of eyes and their corrections.

QP CODE:113002

Section B - BIOCHEMISTRY

Marks: 35

Essay:

(10)

1. Discuss vitamin A under the following heads:
 - Sources
 - RDA
 - Functions
 - Deficiency manifestations

Short Notes:

(2x5=10)

2. What is the normal fasting blood glucose level. How it is regulated.
3. Differential diagnosis of jaundice.

Brief Notes:

(5x3=15)

4. ELISA
5. Gout
6. Fluoride
7. Metabolic acidosis
8. Nitrogen balance
