



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