

First Year BDS Degree Supplementary Examinations February 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. Name the anterior pituitary hormones. Describe the functions of growth hormone. (3+7)

Short Notes: (2x5=10)

2. Describe baroreceptor reflex.
3. Describe the composition and functions of saliva.

Brief Notes: (5x3=15)

4. What is saltatory conduction. Mention its advantages.
5. Define glomerular filtration rate (GFR). What is its normal value.
6. What is referred pain. Give examples.
7. Draw a neat labelled diagram of taste pathway.
8. List the contraceptive methods in females.

QP CODE:113002**Section B - BIOCHEMISTRY****Marks: 35****Essay: (10)**

1. What is gluconeogenesis. Describe the steps of gluconeogenesis. Add a note on its regulations. (1+7+2)

Short Notes: (2x5=10)

2. Classification of enzymes with examples
3. Steps of beta-oxidation

Brief Notes: (5x3=15)

4. Blood buffer
5. Functions of vitamin D
6. RNA
7. Fluorosis
8. BMR