

February 2011

[KY 653]

Sub. Code : 4132

FIRST B.D.S. DEGREE EXAMINATION.**(Modified Regulations — III)****Paper II — HUMAN PHYSIOLOGY AND BIOCHEMISTRY***Q.P. Code : 544132***Time : Three hours****Maximum : 100 marks**

Draw suitable diagrams wherever necessary.

Answer **ALL** questions.**SECTION A
(PHYSIOLOGY)****I. Essay :** (1 x 20 = 20)

1. Name the hormones of thyroid gland. Write the functions of thyroxine hormone. Add a note on hypothyroidism.

II. Short notes : (5 x 6 = 30)

1. Rh incompatibility.
2. Movements of small intestine.
3. What is glomerular filtration rate; how it is measured?
4. What is hypoxia? Write about different types of hypoxia with examples.
5. Define blood pressure and explain about the long term regulation of blood pressure.

**SECTION B
(BIOCHEMISTRY)****I. Essay :** (1 x 20 = 20)

1. Describe in detail the source and fate of ammonia in the body. (Urea cycle).

II. Write short notes on : (5 x 6 = 30)

1. Substrate level phosphorylation.
 2. Isoenzymes and their importance.
 3. Ascorbic acid.
 4. Protein structure.
 5. Selenium.
-