

August 2011

[KZ 702]

Sub. Code : 4169

FIRST B.D.S. DEGREE EXAMINATION**GENERAL HUMAN PHYSIOLOGY AND BIOCHEMISTRY***Q. P. Code : 544169***Time : Three hours****Maximum: 100 Marks**Answer **ALL** questions**Answer Section A and B in Separate Answer Books****SECTION – A**
(HUMAN PHYSIOLOGY)**I. Essay Questions:** (1 x 20 = 20)

1. Name the Respiratory centres. Explain the Neural and Chemical regulation of Respiration.

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

1. Functions of Blood.
2. Cardiac Output.
3. Cretinism.
4. Functions of Placenta.
5. Functions of Kidney.

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

1. Describe in detail the chemistry, sources, RDA, metabolic role & deficiency manifestations of folic acid in the human body.

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

1. Biochemical Role of Vitamin K & its deficiency manifestations.
2. Glucose tolerance test.
3. Pathway of Gluconeogenesis from amino acids.
4. Dietary fibres and their role in human nutrition.
5. Classify Mutations with examples.
