

August 2011

[KZ 653]

Sub. Code : 4132

FIRST B.D.S. DEGREE EXAMINATION**HUMAN PHYSIOLOGY AND BIOCHEMISTRY***Q. P. Code : 544132***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.
