

February 2010

[KW 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

Answer Section A & B in SEPARATE Answer Books.

Answer ALL questions.

SECTION – A
(HUMAN PHYSIOLOGY)**I. Essays :** (1 x 20 = 20)

1. What are the functions of thyroxine? What is the effect of hypothyroidism in children?

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

1. Composition and functions of blood.
2. Functions of liver.
3. Properties of cardiac muscle.
4. Hypoxias.
5. Functions of placenta.

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

1. What are water soluble vitamins? Discuss the chemistry, sources, functions and deficiency manifestations of ascorbic acid.

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

1. Essential amino acid.
2. Vitamin K.
3. Regulation of blood glucose.
4. Rickets.
5. Serum cholesterol.