

February 2009

[KU 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 is Erythropoiesis? Describe the stages in the development of RBC. Mention the factors for maturation of RBC and add a note on types on anemias.

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

1. Composition and functions of saliva.
2. Functions of liver.
3. Glomerular filtration rate.
4. Tetany .
5. Role of white blood cells in immunity.

**SECTION – B
(BIOCHEMISTRY)**

I. Essays : (1 x 20 = 20)

1. Write in detail about glycogenesis and its regulation.

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

1. Essential aminoacids.
2. Ascorbic acid.
3. Maintenance of plasma calcium level.
4. Competitive inhibition.
5. Phospholipids.