

February 2011

[KY 702]

Sub. Code:4169

FIRST B.D.S DEGREE EXAMINATION

(Regulations for the candidates admitted from 2008-09 onwards)

Paper II – GENERAL HUMAN PHYSIOLOGY AND BIOCHEMISTRY*Q.P. Code: 544169***Time: Three hours****Maximum: 70 Marks****Answer Section A & B in SEPARATE Answer Books.**Answer **ALL** questions**SECTION A****(HUMAN PHYSIOLOGY)****I. Essay:** (1 x 15 = 15)

1. What is anemia? Classify the types of anemia on morphological and etiological basis. Add a note on red blood cell indices.

II. Write short notes on: (2 x 5 = 10)

1. Neural and chemical regulation of respiration.
2. Define cardiac output and factors regulating it.

III. Short Answers questions: (5 x 2 = 10)

1. Functions of liver.
2. Innervation of urinary bladder.
3. Define arterial blood pressure.
4. Structure of skeletal muscle.
5. Receptors of vision.

**SECTION B
(BIOCHEMISTRY)****I. Essay:** (1 x 15 = 15)

1. Describe the regulations of Blood glucose level. Add a note on diabetes mellitus and its biochemical investigations.

II. Write short notes on: (2 x 5 = 10)

1. Coenzymic forms, functions and deficiency manifestations of Vitamin B12.
2. Ketogenesis.

III. Short Answers questions: (5 x 2 = 10)

1. Gene mutation.
2. Allosteric Inhibition.
3. Name the aromatic amino acids.
4. Heparin.
5. Second messengers.
