

August - 2009

[KV 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 Marks

1. Describe the structure of neuromuscular junction with the help of a diagram and explain the mechanism of transmission of nerve impulse across it.

II. Write Short Notes On: 3X 5 = 15 Marks

1. Functions of plasma proteins.
2. Milk ejection reflex.
3. Surfactant.

III. Short Answers questions: 3X 2 = 6 Marks

1. Two functions of kidney.
2. Two functions of synapse.
3. Two functions of gall bladder.

SECTION B

(BIOCHEMISTRY)

I. Essay: 1 x 15 = 15 Marks

1. Describe the biochemical functions, dietary requirement, sources and metabolism of calcium.

II. Write Short Notes On: 3X 5 = 15 Marks

1. Glycogen storage diseases.
2. Specialised products from tyrosine.
3. Ketogenesis.

III. Short Answers questions: 2X 2 = 4 Marks

1. Lipotropic factors.
2. Scurvy.
