

[LD 6253]

AUGUST 2013

Sub. Code : 6253

FIRST YEAR BPT EXAM

Paper III – PHYSIOLOGY AND APPLIED PHYSIOLOGY

Q.P. Code: 746253

Time: Three hours

Maximum : 100

I. Elaborate on:

(2 x 20 = 40)

1. Define cardiac cycle. Describe in detail the changes that occur in different phases of cardiac cycle with a suitable diagram.
2. Name the ascending tracts of spinal cord. Explain in detail the pain pathway and types of pain.

II. Write notes on:

(8 x 5 = 40)

1. Glomerular filtration rate
2. Functions of liver
3. Placental hormones
4. Chemical regulation of respiration
5. Parturition
6. Upper motor neuron(UMN) and Lower motor neuron lesion(LMN)
7. Carbohydrate metabolism
8. Spermatogenesis

III. Short Answers:

(10 x 2 = 20)

1. Uses of Electrocardiogram
2. Salivary glands
3. Draw structure of cell
4. Cretinism
5. Define cardiac output
6. Acid base balance
7. Types of jaundice
8. What is anemia
9. Taste receptors
10. Regulation of pancreatic juice
