

[LE 6253]

FEBRUARY 2014

Sub. Code : 6253

FIRST YEAR BPT EXAM

Paper III – PHYSIOLOGY AND APPLIED PHYSIOLOGY

Q.P. Code: 746253

Time: Three hours

Maximum : 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Immunity. What are types of immunity? Discuss the mechanism of cell mediated immunity.
2. Explain the neural regulation of respiration. What are the changes that occur in respiration during exercise.

II. Write notes on:

(8 x 5 = 40)

1. Movements of small intestine.
2. Juxtaglomerular apparatus(JGA).
3. Cardiac cycle.
4. Functions of placenta.
5. Referred pain.
6. Anaemia.
7. Enterohepatic circulation.
8. Cerebrospinal circulation.

III. Short Answers:

(10 x 2= 20)

1. Name any four immunoglobulins.
2. Name any two enzymes present in saliva.
3. What is anatomical dead space? What is the normal value?
4. What are the components of conducting system of heart.
5. What is cretinism?
6. Name the hormones secreted by posterior pituitary gland.
7. Write any four abnormal constituents of urine.
8. Write any two functions of hypothalamus
9. What is myoglobin?
10. Draw a neat diagram of a neuron and label the parts.
