

(LQ 2014)

MARCH 2020

Sub. Code: 2014

B.PHARM. DEGREE EXAMINATION
PCI Regulation – SEMESTER II
PAPER I – HUMAN ANATOMY AND PHYSIOLOGY – II

Q.P. Code: 562014

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. a) With a neat diagram and explain the anatomy of the respiratory system and give the functions of respiratory organs.
b) Add a note on regulation of respiration.
2. a) Draw a diagram and describe the Pancreas.
b) Explain their role in digestion and absorption of nutrients.
3. Explain the structure and functions of male and female reproductive system.

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Define gene and explain the functions of the gene.
2. Discuss the various stages of the menstrual cycle.
3. Organization of nervous system.
4. Structure and functions of pituitary gland.
5. Role of RAS in kidney.
6. Different types of salivary glands, composition of saliva.
7. Protein synthesis.
8. Describe the structure and functions of liver.
9. Draw a neat diagram of a neuron and discuss briefly on action potential.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. What is resuscitation?
2. Diabetes mellitus.
3. Spermatogenesis.
4. Give the composition of bile.
5. Define vital capacity.
6. BMR.
7. Creatine phosphate.
8. Role of different hormones in parturition.
9. Artificial respiration.
10. Components of DNA.
