

Roll No.....

Total No. of Printed Pages: [01]

Total No. of Questions: [13]

B. Pharmacy (Semester – 1st)
HUMAN ANATOMY AND PHYSIOLOGY-I
Subject Code: BP-101T
Paper ID: [17170101]

Time: 03 Hours

Maximum Marks: 75

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 9 questions of 5 marks each. The student has to attempt any 7 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

- Q1. Briefly discuss the following:
- a. Symptoms versus signs
 - b. Artery versus vein
 - c. Anaemia
 - d. Neuron
 - e. Functions of connective tissue
 - f. Lysosomes
 - g. ECG
 - h. Pacemaker
 - i. Clotting factors
 - j. Osmosis

Section – B

(5 marks each)

- Q2. Explain functions of lymphatic system.
- Q3. Discuss significance of electrolytes in human body.
- Q4. Write functional classification of joints.
- Q5. Differentiate between sympathetic and parasympathetic nervous system.
- Q6. Describe anatomy of human heart with suitable diagram.
- Q7. (a) What do you understand by ABO blood groups?
(b) Describe blood typing and blood transfusion.
- Q8. Discuss cardiac output.
- Q9. Define cell junctions. Discuss its types.
- Q10. Discuss physiology of muscle contraction with suitable diagram or flow charts.

Section – C

(10 marks each)

- Q11. Classify epithelial tissue. Write structure and functions of epithelial tissue with diagram.
- Q12. Draw a neat and labelled diagram of human skin. Discuss the function of skin.
- Q13. Define blood pressure. Discuss regulation of blood pressure with suitable examples.