

Roll No.....

Total No. of Printed Pages: [01]

Total No. of Questions: [13]

B. Pharmacy (Semester – 2nd)
HUMAN ANATOMY AND PHYSIOLOGY-II
Subject Code: BP-201T
Paper ID: [17170108]

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 explain the following:

- a) Motility
- b) Neurotransmitter
- c) Receptor
- d) Reflex action
- e) Hypothalamus
- f) Pineal gland
- g) Gall bladder
- h) Micturition
- i) Tidal volume
- j) Pancreas

Section – B

(5 marks each)

- Q2. Explain mammary gland with diagram.
- Q3. Explain male reproductive system.
- Q4. Discuss the microscopic structure of liver and its functions with diagram.
- Q5. Briefly explain the steps of protein synthesis.
- Q6. What are the anterior pituitary hormones, briefly explain them.
- Q7. Explain cerebrum and its function
- Q8. Explain menstruation cycle.
- Q9. Mechanism of action of water-soluble hormones.
- Q10. Explain DNA replication

Section – C

(10 marks each)

- Q11. Draw a well labelled diagram of respiratory system. Explain the mechanism of respiration and its regulation.
- Q12. Discuss the process of nerve conduction in details.
- Q13. Explain the structure of nephron. Discuss the physiology of urine formation.