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.