

**Roll No.**

**Total No. of Pages : 02**

**Total No. of Questions : 13**

**B.Pharma (Sem.-2)**

## HUMAN ANATOMY AND PHYSIOLOGY-II

**Subject Code : BP-201T**

**M.Code : 74967**

**Date of Examination: 13-12-2022**

**Time : 3 Hrs.**

**Max. Marks : 75**

### INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **THREE** questions carrying **TEN** marks each and student has to attempt any **TWO** questions.
3. **SECTION-C** contains **NINE** questions carrying **FIVE** marks each and student has to attempt any **SEVEN** questions.

## SECTION-A

**1. Answer briefly :**

- a) What is neurotransmitter? Give two examples.
- b) What are afferent & efferent nerves?
- c) What are accessory organs of digestive system?
- d) What are endocrine glands? Enlist various endocrine glands of the body.
- e) What is total lung capacity?
- f) What is CPR?
- g) Highlight various functions of the kidneys.
- h) What is spermatogenesis?
- i) What are female sex hormones?
- j) What is ATP?

### **SECTION-B**

2. Discuss structure of kidney and explain the process of urine formation by the kidneys.
3. Enlist various parts of the gastrointestinal tract and discuss in detail about physiology of food digestion.
4. Mention organs of the respiratory system and describe regulation of respiration in detail.

### **SECTION-C**

5. Write a note on physiology of brain stem.
6. Draw a neat and labeled diagram of nephron?
7. Write a short note on liver.
8. Add note on hormones of adrenal cortex.
9. Explain mechanism of gaseous exchange between blood and alveoli.
10. Write a brief note on spinal cord.
11. Discuss role of kidneys in acid-base balance.
12. Write a short note on DNA.
13. Add a note on physiology of menstruation.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**