Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐   **Total No. of Pages : 02**

Total No. of Questions : 13

B.Pharma (2017 & Onwards)   (Sem.-2)
HUMAN ANATOMY AND PHYSIOLOGY-II
Subject Code : BP-201T
M.Code : 74967

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 are different neurotransmitters in the body?

    b. What do you mean by depolarization, repolarization and hyperpolarization?

    c. What is reflex arc?

    d. Name the enzymes released from small intestine.

    e. What are the functions of bile?

    f. What is basal metabolic rate? Write its significance.

    g. Explain one method of artificial respiration.

    h. What are the functions of glomerulus, ureters and urethra?

    i. What are the functions of LH?

    j. What are enzymes required in transcription?

SECTION-B

2.   Explain the structure of spinal cord. What are the functions of cerebellum?

3.   Write the hormones released from hypothalamus. Write the functions of oxytocin.

4.   Explain the structure of respiratory system.

SECTION-C

5.   What is cerebrospinal fluid? How is it formed? What are its functions?.

6.   Explain the process of oogenesis.

7.   Explain the role of kidney if acid -base regulation.

8.   How is oxygen transported in the blood?

9.   Explain the functions of insulin and glucagon.

10. Explain the process of regulation of respiration (neuronal method)?

11. Explain the process of protein synthesis.

12. What are the different types of neuroglia? Write their functions.

13. Explain the process of synaptic neurotransmission.

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.