

**Roll No.**

**Total No. of Pages : 02**

**Total No. of Questions : 09**

**B.Sc. (MLS) (Sem.-3)**

## HUMAN ANATOMY AND PHYSIOLOGY-II

**Subject Code : BMLS-303-18**

**M.Code : 76632**

**Date of Examination : 16-12-22**

**Time : 3 Hrs.**

**Max. Marks : 60**

### INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

## SECTION-A

**1. Write briefly :**

- a) Define interstitial fluid.
- b) Name accessory organs of digestive system.
- c) Discuss the anatomy of tongue.
- d) Define gametogenesis.
- e) Give the composition of bile.
- f) Define GFR.
- g) Define cardinal principle.
- h) Differentiate between endocrine and exocrine glands by giving examples of each.
- i) Define nerve impulse.
- j) What are neurotransmitters? Give examples.

### **SECTION-B**

- 2 Discuss the role of body fluids in maintaining homeostatis.
- 3 Write a note on spermatogenesis.
- 4 Discuss in brief about the anatomy and physiology of liver.
- 5 Explain the structure and secretions of thyroid gland.
- 6 Discuss the role of neurotransmitters in transmission of nerve impulse.

### **SECTION-C**

7. Explain the physiology of excretion and urine formation.
8. Explain the physiology of digestion of lipids and Carbohydrates.
9. Explain the structure of spinal cord. Write a note on spinal nerves & their functions.

**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.**