

**Roll No.**

**Total No. of Pages : 02**

**Total No. of Questions : 09**

**B.Sc. (Medical Lab Sciences) (Sem.-3)**  
**HUMAN ANATOMY AND PHYSIOLOGY-II**

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

**M.Code : 93329**

**Date of Examination : 27-06-2025**

**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. Answer briefly :**
- a) Define homeostasis.
  - b) What are the different types of body fluid?
  - c) What is the function placental fluid?
  - d) What is nervous system?
  - e) Define function of nephron.
  - f) Define neurotransmitters.
  - g) Define the role of exocrine glands.
  - h) Define the functions of electrolytes.
  - i) What is gametogenesis?
  - j) Draw structure of nephron.

### **SECTION - B**

2. Define physiology of urine, formation and composition of urine.
3. Give a note on parts of brain and function of different parts.
4. Define physiology of digestion of carbohydrates and proteins.
5. How electrolyte imbalance leads to fluid imbalance?
6. Give a note on placenta and extra embryonic membranes.

### **SECTION - C**

7. Write in detail the physiology of female reproductive system and give its significance.
8. Discuss anatomy and functions of GI tract with a neat labelled diagram.
9. Describe in brief about endocrine and exocrine glands, their location, structure and 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.**