

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 : 19-05-2023

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) What do you mean by total body water?
- b) Name the hormones secreted by pancreas.
- c) Discuss the anatomy of tongue.
- d) Define gametogenesis.
- e) Write down the function of molar and premolar teeth.
- f) Define cardinal principle.
- g) Differentiate between endocrine and exocrine glands by giving examples of each.
- h) Define nerve impulse.
- i) Define tubular reabsorption.
- j) What are neurotransmitters? Give examples.

### **SECTION-B**

2. Discuss the role of body fluids in maintaining homeostatis.
3. Write a note on menstrual cycle.
4. Discuss in brief about the anatomy and physiology of liver.
5. Explain the structure and secretions of anterior pituitary.
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 Carbohydrates and Proteins.
9. Explain the structure of cerebrum. Write a note on cranial 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.**