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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 : 93329**  
**Date of Examination : 16-01-23**

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) Classify body fluids.
- b) Write down the composition of intestinal juice.
- c) Define reflex action.
- d) Give the structure of nephron.
- e) Name accessory organs of digestive system.
- f) Give the composition of bile.
- g) Define GFR.
- h) Write down the functions of placenta.
- i) What do you mean by all and none principal?
- j) Define interstitial fluid.

### **SECTION-B**

2. Write down the type of body fluids and explain the general principles of fluid balance.
3. Write a note on spermatogenesis.
4. Explain the organization of digestive system and mechanism of absorption in intestine.
5. Explain the structure and secretions of thyroid gland.
6. Discuss in brief about the anatomy and physiology of liver.

### **SECTION-C**

7. Explain the structure of spinal cord. Write a note on spinal nerves & their functions.
8. Explain the physiology of digestion of lipids and Carbohydrates.
9. Draw a well labelled diagram of nephron and explain the physiology of urine formation.

**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.**