

Roll No.

Total No. of Pages :02

Total No. of Questions : 13

B.Pharma (Sem.-1)
HUMAN, ANATOMY AND PHYSIOLOGY-I
Subject Code : BP-101T
M.Code : 74644
Date of Examination : 10-01-2023

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) Function of lymph nodes.
- b) Types of bones in human body.
- c) Anaemia.
- d) Heart beat.
- e) Function of arteries.
- f) Paracrine signal.
- g) Relation of parasympathetic nervous system with smooth muscle.
- h) Monocyte macrophage system.
- i) Origin of cranial nerves.
- j) Cardiac output.

SECTION-B

2. Classify and describe epithelial tissues along with their characteristics.
3. Explain the different layers of skin with well labelled diagram.
4. Describe the process of blood circulation. Enlist the components which are involved in blood circulation process.

SECTION-C

5. Explain the composition of human skeletal system.
6. Describe briefly composition and functions of skin.
7. Explain the structure of ear with diagram.
8. What is cardiac cycle? Explain the factors which affect cardiac cycle.
9. Discuss about lymph circulation with diagram.
10. Discuss different bones of skeletal system with their functions.
11. Describe the process of skeletal muscle contraction.
12. Explain the physiology of hearing.
13. Give a note on different blood groups with their clinical significance.

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.