

Total No. of Pages :02

Total No. of Questions : 13

B.Pharma (2017 & Onwards) (Sem.-1)
HUMAN, ANATOMY AND PHYSIOLOGY-I
Subject Code : BP-101 T
M.Code : 74644

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) Classify movable joints.
- b) What are different types of connective tissues?
- c) What are the receptors present on the retina of eye?
- d) Differentiate Arteries and Veins.
- e) Enlist different spinal nerves.
- f) Write different functions of lymphatic system.
- g) What do you mean by cardiac output?
- h) What are the different waves in ECG?
- i) What is the function of hemoglobin?
- j) What are the effects of parasympathetic system on the heart and smooth muscles?

SECTION-B

2. Explain the structure of human eye with diagram.
3. Write different steps involved in skeletal muscle contraction.
4. Explain the structure of heart with suitable diagram.

SECTION-C

5. Explain the structure of skin.
6. What are the processes involved in transport across the plasma membrane?
7. Explain the structure of neuron with diagram.
8. What are the bones present in the appendicular skeletal system?
9. Explain the structure of freely movable joint with diagram.
10. What are different blood groups? Write the significance of blood grouping.
11. What is cardiac cycle?
12. How is blood pressure regulated in the body?
13. How is lymph formed? What are different lymphatic organs and tissues?

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.