

Roll No.

Total No. of Pages : 02

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B.Sc. Radiotherapy Technology (Sem.-1)
HUMAN ANATOMY AND PHYSIOLOGY-I

Subject Code : BSOT-101-19

M.Code : 77187

Date of Examination: 12-01-2023

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 are coronal plane and sagittal plane?
- b. What is axial skeleton?
- c. What is actin and myosin?
- d. What is ball and socket joint? Give one example.
- e. How plasma and serum differs from each other?
- f. Highlight functions of spleen.
- g. What is vital capacity?
- h. What are junctional tissues of the heart?
- i. Indicate anatomical location of the heart.
- j. What is mitochondria? Highlight functions of mitochondria.

SECTION-B

2. What is blood coagulation? Explain mechanism of blood coagulation.
3. Draw neat and labelled picture of internal structure of heart.
4. Write a note on lymph node.
5. Add a note on synovial Joint.
6. Add a brief note on cell mitosis.

SECTION-C

7. Classify various blood cells and discuss in detail about RBCs.
8. Write a critical note on various organs of respiratory system.
9. Describe structure and function of nervous tissue.

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.