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Total No. of Pages : 02

Total No. of Questions : 11

B.Sc. (Medical Technology - Anaesthesia & Operation Theatre)
(Sem.-1)

HUMAN ANATOMY & PHYSIOLOGY-I

Subject Code : BAOTT-101-21

M.Code : 91344

Date of Examination : 10-01-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **EIGHT** questions carrying **TWO** marks each.
2. **SECTION-B** contains **EIGHT** questions carrying **FOUR** marks each and students have to attempt any **SIX** questions.
3. **SECTION-C** will comprise of two compulsory questions with internal choice in both these questions. Each question carries **TEN** marks.

SECTION-A

1. Answer the following :

- a) Define Homeostasis.
- b) Differentiate between synaptic and endocrine signaling.
- c) Classify connective tissue.
- d) Differentiate between flexion and extension.
- e) Enlist facial bones.
- f) What do you mean by myelinated neuron?
- g) Enlist any two disorders of ear.
- h) Name the hormones secreted by pineal gland.

SECTION-B

2. Define cell division. Write a note on mitotic cell division.
3. Explain the structure and functions of skin.
4. Write a note on hormones secreted by adrenal gland.
5. Explain the Gross structure of spinal cord.
6. Explain the structure and functions of ear.
7. Write down the origin and function of spinal nerves.
8. Write a note on epithelial tissue.
9. Write the division skeletal, system. Write the bones present in appendicular skeleton.

SECTION-C

10. a) Explain the process of cell transport. Define general principles of cell communication. Explain the forms of intracellular signaling.

OR

- b) Explain the anatomy of brain with a well labeled diagram.
11. a) Write in detail about the physiology of muscle contraction.

OR

- b) Write a note on cranial nerves.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.