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Total No. of Pages : 02

Total No. of Questions : 11

M.Sc. (Medical Microbiology) (Sem.-1)

HUMAN ANATOMY AND PHYSIOLOGY

Subject Code : MMB-101-21

M.Code : 91449

Date of Examination : 14-01-2023

Time : 3 Hrs.

Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains EIGHT questions carrying FIVE 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. Write about :

- a) Regulation of respiration.
- b) Classify Connective tissue.
- c) Extension and Flexion
- d) Melatonin
- e) White matter and Grey matter
- f) Bone marrow
- g) T3 and T4
- h) Menopause
- i) Negative feedback system
- j) SA node.

SECTION-B

2. Draw and label a neat diagram of urinary system.
3. Explain the process of cardiac cycle.
4. Describe the structure and functions of adrenal gland.
5. Differentiate between sympathetic and para sympathetic nervous system.
6. Define the respiratory volumes and capacities.
7. Describe the mechanism of digestion.
8. Discuss the various types of bones with suitable examples.
9. Draw a well labelled diagram of brain.

SECTION-C

10. Explain the mechanism of breathing along with exchange of gases in respiratory system.

OR

Classify the Nervous system and write in detail about the gross anatomy of Cerebrum.

11. Describe the process of neuro muscular junction.

OR

Briefly explain the structure and functions of appendicular skeletal system.

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.