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Total No. of Pages : 02

Total No. of Questions : 11

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

**APPLIED ANATOMY & PHYSIOLOGY**

Subject Code : MAOTT 103-21

M.Code : 91357

Date of Examination : 14-01-23

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 a brief note on the following :**

- a) Pulmonary Hypertension
- b) Bronchial Tree
- c) Tracheal tug
- d) Tachycardia
- e) Receptors
- f) Muscle relaxants
- g) Cord palsies
- h) Pneumothorax
- i) Vital capacity
- j) Neuron.

### **SECTION-B**

2. Explain anatomy of nephron.
3. Explain various events of a typical cardiac cycle.
4. Add a brief note on regulation of respiration.
5. Write a brief note on respiratory failure and its types.
6. Write a brief note on neurotransmitters.
7. Elaborate work of breathing in brief.
8. Write a short note on myocardial infarction.
9. Discuss about neuromuscular junction.

### **SECTION-C**

10. Enumerate the parts of respiratory system and write in detail about the Lung.

**OR**

Write a brief note on Hypertension and Hypotension its causes and management.

11. Write a brief note on nervous system.

**OR**

Discuss anatomy of cardiovascular 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.**