

ZOOLOGY 2024

(Science Pre-Medical Groups)

TIME: 2 Hours

(40 Marks)

SECTION 'A' (Multiple Choice Questions)(08)

NOTE: i) This section consists of 16 part questions and all are to be answered. Each part question carries $\frac{1}{2}$ mark.

ii) Do not copy the part questions in your answer book. Write only the answer in full against the proper number of the question and its part.

1 Choose the correct answer for each from the given options:

i) The simplest amino acid is:

- * Alanine
- * Serine
- * Glycine ✓
- * Valine

ii) This organelle of cell contains information of protein synthesis:

- * Nucleus ✓
- * Mitochondria
- * Chloroplast
- * Cell Membrane

iii) Chondrichthyes (cartilaginous fish) are characterized by:

- * Terminal Mouth
- * Placoid Scales ✓
- * Ctenoid scales and ventral mouth
- * Ventricular Systol

iv) In ECG the T-waves represent:

- * Atrial Diastole
- * Atrial Systol
- * Ventricular Diastole ✓
- * Ventricular Systol

v) This molecule binds to the active site of an enzyme:

- * Allosteric Activator
- * Allosteric Inhibitor
- * Competitive Inhibitor ✓
- * Non-Competitive Inhibitor

vi) This organ functions as an air conditioner:

- * Larynx
- * Pharynx
- * Nasal Chambers ✓
- * Trachea

vii) The human enzymes are highly active at this temperature:

- * 37°C ✓
- * 37°F
- * 39°C
- * 39°F

viii) Lungs volume is measured by this special device:

- * Thermometer
- * Spirometer ✓
- * Glucometer
- * Sphygmomanometer

ix) All these animals belong to Phylum Cnidaria except:

- * Hydra
- * Physalia
- * Sea Anemone
- * Sea Urchin ✓

x) Pulmonary veins supply blood to the:

- * Left Atrium ✓
- * Right Atrium
- * Left Ventricle
- * Right Ventricle

xi) It is not involved in antigen presentation:

- * Macrophages
- * Dendritic Cells
- * Neutrophils ✓
- * Monocytes

xii) Deoxygenated blood to carried to the lungs by:

- * Coronary Artery
- * Renal Artery
- * Pulmonary Artery ✓
- * Carotid Artery

xiii) The study of functioning and disorders of immune system is termed as:

- * Parasitology
- * Ophthalmology
- * Immunology ✓
- * Dermatology

xiv) Number of milk teeth in human is:

- * 10
- * 15
- * 20 ✓
- * 25

xv) Partial negative charge and partial positive charge of water molecules attract to each other due to:

- * Hydrogen Bond ✓
- * Covalent Bond
- * Ionic Bond
- * Peptide Bond

xvi) Animals with dry scaly skin, egg with amniotic coat and three chambered heart are found in this class:

- * Amphibia
- * Aves
- * Reptilia ✓
- * Mammalia