

Time Allowed: 3 Hrs

Marks: 65

Note: There are **Three Sections** in this paper i.e. A, B and C. Attempt Section A and return it to the Superintendent within the given time. No marks will be awarded for **Cutting, Erasing and Overwriting**.

Mobile Phone is strictly prohibited in Examination Hall.

Time: 20 Minutes

SECTION "A"

Marks: 12

Q.1. Choose the correct option and shade one of (A, B, C, D) in the given **Bubble Answer Sheet**.

- i. The branch of biology explaining the body's defense system against disease-causing microorganisms is:

(A) Parasitology (B) Immunology (C) Biotechnology (D) Genetics
- ii. Biologists are helped to perform experiments by:

(A) Deductions (B) Observations (C) Hypothesis (D) Results
- iii. The biological name of peepal tree is:

(A) Ficus elastica (B) Ficus religiosa (C) Ficus bengalensis (D) Ficus tigris
- iv. The statement "omnis cellula e cellula" was given by:

(A) Carlous Linnaeus (B) Rudolph Virchow (C) Robert Brown (D) Antony Leeuwenhoek
- v. The characteristic of nerve cell responsible for carrying nerve impulse is that:

(A) It is disc shaped (B) It is biconcave (C) It is longer in length (D) It is tube like
- vi. The phase of mitosis in which nucleolus disappears is:

(A) Early prophase (B) Late prophase (C) Early anaphase (D) Late anaphase
- vii. The longest phase of meiosis is:

(A) Prophase-I (B) Metaphase-I (C) Anaphase-I (D) Telophase-I
- viii. The molecules produced in enzymes catalysed reactions are known as:

(A) Enzymes (B) Substrates (C) Catalysts (D) Products
- ix. Stacks of thylakoids make:

(A) Grana (B) Stroma (C) Cristae (D) Lamellae
- x. Anaerobic respiration produces many useful products including:

(A) Water and Oxygen (B) Ethanol and Cheese (C) Carbon Dioxide and Glucose (D) Fatty acids and Starch
- xi. Beans, pulses and dry fruits are the main sources of:

(A) Proteins (B) Carbohydrates (C) Fats (D) Minerals
- xii. Mitral valve is also known as:

(A) Bicuspid valve (B) Tricuspid valve (C) Semilunar valve (D) Aortic valve