



Roll No. \_\_\_\_\_ (To be filled in by candidate)

(For all sessions)

Paper Code

6

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**Biology** (Objective Type)

Time: 20 Minutes

Marks: 17

NOTE: Write answers to the questions on the objective answer sheet provided. Four possible answers

A, B, C and D to each question are given. Which answer you consider correct, fill the corresponding circle A, B, C or D given in front of each question with Marker or pen ink on the answer sheet provided.

1.1. Plants having foreign DNA incorporated into their cells are known as:

- (A) Transformation (B) Transgenic (C) Transgender (D) Translation

2. Heterogenous group of compounds related to fatty acids are:

- (A) Nucleic acids (B) Protein (C) Lipids (D) Carbohydrates

3. Which inhibitors have structural resemblance with substances?

- (A) Irreversible (B) Competitive (C) non competitive (D) Co-enzyme

4. Infoldings of inner membrane of mitochondria are called:

- (A) Cristae (B) Cisternae (C) F<sub>1</sub> particals (D) SER

5. Enzyme released from the tail of bacteriophage which dissolves cell wall:

- (A) Lipase (B) Pepsin (C) amylase (D) Lysozyme

6. Reserve food material in cynobacteria is:

- (A) Glycogen (B) Starch (C) Lipids (D) Protein

7. Feeding stage of slime molds is called:

- (A) Plasmodesmata (B) Plasmodium (C) Plasmolysis (D) Plasma

8. Asexual reproduction in penicillium takes place by:

- (A) Spores (B) Budding (C) Conidia (D) Fragmentation

9. Integumented, indehiscent megasporangium is called:

- (A) Ovary (B) Ovule (C) Megaspore (D) microspore

10. Larva produced during the life cycle of annelids, is:

- (A) Trochophore (B) Bipinaria (C) Tad pole (D) Brachiolaria

11. A blue coloured respiratory pigment present in molluscus is:

- (A) Haemoglobin (B) Haemocyanin (C) Myoglobin (D) Phycoerthrin

12. Second phase of calvin cycle is:

- (A) Carbon fixation (B) Reduction  
(C) Regeneration of CO<sub>2</sub> acceptor (D) Glycolysis

13. Chemical formula of chlorophyll 'b' is:

- (A) C<sub>54</sub>H<sub>72</sub>O<sub>5</sub>N<sub>4</sub>Mg (B) C<sub>54</sub>H<sub>70</sub>O<sub>4</sub>N<sub>5</sub>Mg (C) C<sub>55</sub>H<sub>72</sub>O<sub>5</sub>N<sub>4</sub>Mg (D) C<sub>55</sub>H<sub>70</sub>O<sub>6</sub>N<sub>4</sub>Mg

14. Botulism is caused by:

- (A) Salmonella (B) Campylobacter  
(C) Pseudomonas (D) Clostridium botulinum

15. A sheet of muscles which act as floor of chest cavity is called:

- (A) Pleura (B) diaphragm (C) Intercostal muscles (D) Lungs

16. Starch Sugar hypothesis was proposed by:

- (A) H. Van Mohl (B) Ernst Munch (C) Ernst Hackel (D) Loius Pasture

17. Attraction among water molecules, which holds the water molecules together, is:

- (A) Tension (B) Cohesion (C) Adhesion (D) Transpiration