

Biology (Objective)

(Group-II)

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 Reserve food material in cyanobacteria is in the form of:

- (A) Starch (B) Proteins (C) Sucrose (D) Glycogen

2. Malaria spreads by :

- (A) Plasmodium (B) Female anopheles mosquito (C) Tsetse fly (D) Trypanosoma

3. Which of the following is unicellular but not included in protocista?

- (A) Kelps (B) Volvox (C) Yeast (D) Plasmodium

4. Most powerful Alkaloids are obtained from plants of family called:

- (A) Solanaceae (B) Fabaceae (C) Rosaceae (D) Poaceae

5. Sphenodon is found in:

- (A) Australia (B) Texas (C) New Zealand (D) Pakistan

6. Syrinx is an organ of voice present in:

- (A) Apes (B) Parrots (C) Snakes (D) Frogs

7. Transfer of energy from antenna complex to reaction center of Photosystem occurs by phenomenon called:

- (A) Oxidation (B) Reduction (C) Resonance (D) Hydrogenation

8. How many number of electrons would be needed at a time to reduce two moles of $NADP^{+}$?

- (A) Two (B) One (C) Three (D) Four

9. Constipation is called by the excessive absorption of:

- (A) CO_2 (B) Water (C) Food (D) Oxygen

10. If plasma proteins carry about 5% CO_2 / 100 ml of blood. How much CO_2 is carried by 500 ml of blood from tissue fluid to lungs?

- (A) 5 ml (B) 20 ml (C) 25 ml (D) 100 ml

11. Which layer of arteries become thick due to Atheroma?

- (A) Middle (B) Inner most (C) External (D) Any layer

12. If ψ_w (water potential) of a cell is - 400 KPa and pressure potential (ψ_p) is 800 KPa. What would be the solute potential (ψ_s) of cell at equilibrium:

- (A) 1200 KPa (B) -400 KPa (C) -1200 KPa (D) 800 KPa

13. Which of the following element is a heavy metal?

- (A) Zinc (B) Iron (C) Copper (D) Chromium

14. One strand of DNA contains ACGT nitrogenous bases and opposite strand has TGCA. How many number of hydrogen bonds would be present between these complementary nitrogenous bases?

- (A) 08 (B) 12 (C) 10 (D) 14

15. Rate of reaction (catalysis) is inversely proportional to the:

- (A) Activation energy (B) Enzyme concentration (C) Optimum temperature (D) Optimum pH

16. If ocular lens is of 10X and objective lense is of 40X, resolution of compound microscope would be _____ of human naked eye.

- (A) 100X (B) 400X (C) 500X (D) 250,000X

17. Which of the following is an organelle of symbiotic origin?

- (A) Ribosomes (B) Mitochondria (C) Centrioles (D) Lysosomes