

Instructions : (1) Do not copy Statements.

(2) Leave one line space after each answer.

(3) Cite examples and draw diagram wherever necessary.

Time: 2 hrs

Marks: 60

1. Give an appropriate term :

($\frac{1}{2} \times 10 = 5$)

- (i) A dark funnel shaped cloud that reaches from the sky to the ground :
- (ii) The process of coating iron particles with zinc :
- (iii) The process of splitting up of ionic compounds into cations and anions :
- (iv) The substances which do not conduct heat :
- (v) Finger like projections which help in absorption of food inside the body :
- (vi) Collective term for Xylem and Phloem :
- (vii) An instrument used to measure wind speed :
- (viii) The average weather conditions taken over a long time :
- (ix) The substances which are powdery and possess no definite geometrical shape :
- (x) An acid used to manufacture soft drinks :

2. Give two points for the following :

($1 \times 5 = 5$)

- | | |
|-----------------------------|-----------------------------|
| (i) Neutralization reaction | (ii) Symbiotic relationship |
| (iii) Peristalsis | (iv) Exothermic reaction |
| (v) Adaptation | |

3. Give reason : (do any five)

($2 \times 5 = 10$)

- (i) The rubber sucker sticks to the flat surface when pressed.
- (ii) New World Monkeys have prehensile tail.
- (iii) Burning of wood and cutting of wood are two different type of changes.
- (iv) Double walled windows acts as a better insulator.
- (v) We get instant energy from glucose.
- (vi) Cocoons are dipped in hot and cold water.

4. Answer in 20-30 words :

($2 \times 5 = 10$)

- (i) Write two adaptations of polar bear.
- (ii) List two safety measures against cyclones to be taken by the people.
- (iii) What is lymph? Write its function.
- (iv) What is acid rain? Write its effects.
- (v) Give four factors affecting climate of a place.

5. Answer in 50-60 words :

($3 \times 5 = 15$)

- (i) Give one reaction each of Combination, Displacement and Double displacement reaction.
- (ii) Write three applications of neutralization reaction.
- (iii) How replenishment of nutrients can be done in soil?
- (iv) Give one function each of liver, pancreas and duodenum.
- (v) Write three adaptations of penguin.

6. Explain Crushing Can Experiment with diagram.

(5)

7. Explain complete mechanism of photosynthesis with schematic diagram.

(5)

8. How can you make crystals of copper sulphate. Draw diagram also.

(5)
