

NEW ERA PUBLIC SCHOOL

01

Class :- 7th
M. Marks :- 60

Sub:- Science
Term- I

Attempt any four Questions from Part A and five Questions from Part-B. Part C and D are compulsory.

PART- A (Do any four)

Q1:- What is neutralisation? What decides the nature of a salt formed during a neutralisation reaction?

Q2:- Write a short note on the factors that affect climate.

Q3:- What is the difference between external and internal respiration?

Q4:- What are the functions of blood?

Q5:- Describe the properties of bases. Name two bases and their uses.

Q6:- Distinguish between arteries and veins.
(04 × 05 = 20)

PART- B (Do any five)

Q1:- What is an indicator?

Q2:- Why are factory effluents harmful to aquatic organisms?

Q3:- Who are meteorologists? What do they study?

Q4:- Why are there only a few large animals in the deserts?

Q5:- When does anaerobic respiration occur in the human body?

Q6:- How do frogs breathe?

Q7:- Why is it important to have valves in the heart?

(05 × 03 = 15)

PART-C

Multiple Choice Questions-

Choose the correct option.

1. Vinegar is _____

- (a) neutral (b) acidic (c) basic (d) a salt

2. To neutralise the acids in soil, farmers add _____

- (a) HCl (b) $\text{Ca}(\text{OH})_2$ (c) NaOH (d) NaCl

3. Which of the following instruments is used to measure wind speeds?

- (a) thermometer (b) anemometer (c) speedometer (d) barometer

4. Which of the following animals eats lichens in winter?

- (a) Arctic fox (b) Arctic wolf (c) caribou (d) tiger

5. Earthworms breathe using _____

- (a) Lungs (b) spiracles (c) moist skin (d) gills.

6. When muscles respire anaerobically, _____ accumulates in them.

- (a) glucose (b) water (c) lactic acid (d) oxygen

7. The function of a white blood cell is to _____

- (a) fight infection (b) carry oxygen (c) clot the blood
(d) carry minerals

8. Which of these transport water up the stem?

- (a) root hairs (b) xylem cells (c) phloem cells (d) epidermal cells.

(08 × 01 = 08)

Fill in the blanks:-

1. _____ acid is found in curd.
2. _____ is measured by an instrument called a hygrometer.
3. In plants, _____ does not take place at night.
4. In _____ respiration, energy is released in cells.
5. _____ are smaller than WBC's and help blood to clot.
6. In humans, _____ excrete waste in the form of urine.

(06 × 01 = 06)

Say whether the statements are true or false:-

1. Strong acids can burn the skin as they are corrosive.
2. Antacids are made of acidic substances.
3. Weather does not change for many years.
4. Respiration is a process in which energy is produced.
5. Air enters the lungs through the bronchi.
6. Blood transports food as well as wastes.

(06 × 01 = 06)

PART- D

Draw a labelled diagram of the following: (any two)

1. Human urinary system.
2. Structure of the heart
3. Human respiratory system

4.

($2\frac{1}{2} \times 02 = 05$)