

PVG's
Muktangan English School & Jr College, Pune - 09
Formative Written Test - II (2024-25)
STD VIII

Subject : Science
Date : 30.01.2025

Marks - 20
Time : 9.30 am - 10.45 am

Q1. A] Fill in the blanks and rewrite the sentences (2)

- 1) Cardiac muscles are _____ muscles.
- 2) Curd contains _____ acid.

B] Match the following (2)

| A | B |
|----------------------------|-----------|
| 1. Heart beats | a) 37°C |
| 2. Normal body temperature | b) 72 |
| | c) 350 ml |

Q2. A] Give scientific reasons for the following (Any 2) (4)

- 1) Person with 'O' blood group is considered as universal donor.
- 2) By squeezing lemon on a piece of rock the gas liberated turned limewater milk
- 3) Hard water gets softened on mixing with a solution of washing soda.

B] Distinguish the following by giving any two points of difference (Any 1) (2)

- 1) Acid and Alkali
- 2) External and Internal respiration

C] Answer the following questions in brief (Any 2) (4)

- 1) Explain with a word equation – Photosynthesis is a chemical change.
- 2) Which substances are produced by neutralization process? Complete the chemical reaction



3) Complete the following table

| Sr No | Name of the Compound | Formula | Use |
|-------|----------------------|--------------------|--------------|
| 1 | _____ | NaOH | Washing Soap |
| 2 | Potash | KOH | _____ |
| 3 | Milk of Magnesia | _____ | Antacids |
| 4 | Ammonium Hydroxide | NH ₄ OH | _____ |

Q3. A] Answer the following question (Any 1) (3)

- 1) Explain the formation of covalent bond with an example.
- 2) Complete the following table:

| Sr No. | Name of the indicator | Colour of the indicator | Colour in Acid | Colour in Alkali |
|--------|-----------------------|-------------------------|----------------|------------------|
| 1 | Litmus Paper | Blue | _____ | _____ |
| 2 | Methyl Red | _____ | Red | _____ |
| 3 | _____ | Orange | _____ | Yellow |

B] Draw a neat and well labeled diagram of the following (Any 1) (3)

1. Human Respiratory System.
2. Formation of NaCl Compound.

