



P.V.G.'s
Muktangan English School & Jr. College,
 44, Vidyanagari, Parvati, Pune - 411009.

Summative Written Test - 1 (2025-26)
Standard - VIII

Subject : Science

Marks : 50

Date : 13.10.2025

Time : 8.00 am to 10.00 am

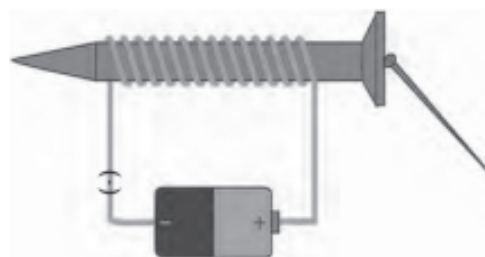
Q1. A) Fill in the blanks by choosing the appropriate option and rewrite the statement. (4)

1) _____ is a complex compound.

- | | |
|----------------|------------|
| a) Glucose | b) Ethanol |
| c) Chlorophyll | d) Soda |

2) The system of coil and the screw is called an _____.

- a) Horseshoemagnet
 b) Barmagnet
 c) Discmagnet
 d) Electromagnet



3) _____ is used as moderator for reducing the speed of neutrons in nuclear reactors.

- | | |
|-------------|--------------|
| a) Boron | b) cadmium |
| c) Graphite | d) Beryllium |

4) The intensity of an earthquake is measured in _____.

- | | |
|------------------|-----------------|
| a) Digital Scale | b) Spring Scale |
| c) Richter Scale | d) Meter scale |

B) Match the following.

(2)

A	B
1) Carrot	a) Lycopene
2) Tomato	b) Anthocyanin
	c) Carotene

C) State whether the following statements are true or false and rewrite the statements. (2)

- 1) Atoms of all elements, except normal hydrogen contain neutrons.
- 2) During starvation Ribosomes digest stored proteins fats.

D) Define the following. (2)

- 1) Istopes
- 2) Alloy

Q2. A) Give scientific reasons for the following. (Any Three) (6)

1. Copper and brass vessels are cleaned with lemon.
2. RBC's do not have nuclei.
3. Hydrogen is combustible, oxygen helps combustion but water helps to extinguish fire.
4. Do not use lifts at time of earthquake.

B) Distinguish between the following by giving any two points of difference. (Any Two) (4)

- 1) Element and compound
- 2) Metals and Non-metals
- 3) Hereditary diseases and Acquired diseases.

Q3. A) Write short note on the following. (Any Two) (6)

- 1) Uses of noble metals.
- 2) Functions of vacuoles.
- 3) Blood donation.

B) Answer the following in one sentence. (Any Four) (4)

- 1) Define : Homeostasis
- 2) What is air pollution?
- 3) Give two examples of metalloid.
- 4) What are Nucleons?
- 5) What is meant by isotonic solution?

Q4. A) Answer the following in brief. (Any Three)**(6)**

- 1) What are the symptoms of Dengue?
- 2) State any three reason of water pollution.
- 3) Explain Dalton's atomic theory.
- 4) A body of mass 200 g and volume 50cm³ is put in a bucket containing water. Will the body float or sink in water. (Density of water = 1 g/cm³).

B) Answer the following questions. (Any Two)**(4)**

- 1) Deduce from the datum provided

Datom	To deduce
1) $^{23}_{11}\text{Na}$	Neutron number _____
2) $^{14}_6\text{C}$	Mass number _____
3) $^{37}_{17}\text{Cl}$	Proton number _____
4) $^{16}_8\text{O}$	Electron number _____

- 2) What do you mean by Corrosion? What are the adverse effects of corrosion.
- 3) Deduce the molecular formula of the compound obtained from the following.
 - a) C (Valency 4) and Cl (Valency 1)
 - b) Fe (Valency 2) and S (Valency 2)

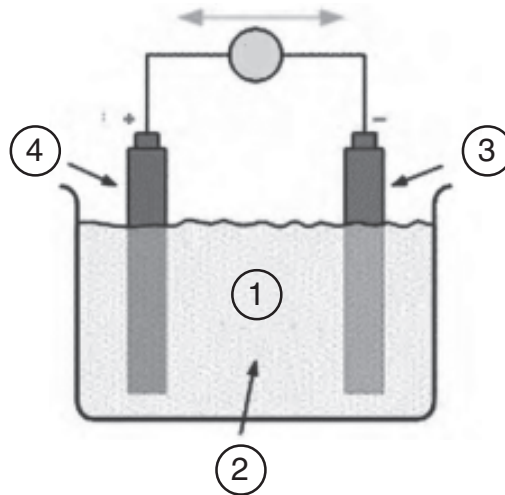
Q5. A) Draw a neat and well labelled diagram. (Any Two)**(6)**

1. Bohr's stable orbit atomic model.
2. Electronic configuration of sodium atom (Z = 11)
3. Dry cell.

B) Answer the following questions in detail. (Any One)

(4)

1. Explain the structure of mitochondria and write its function.
2. Observing the given diagram and answer the following questions.



- i) Label the given diagram where numbering is done.
- ii) Explain the working of the cell shown in the diagram.

