PRISM WORLD

Std.: 8 (English) **General Science** **Marks: 50**

Date: **Time: 2 hrs**

Chapter: 1 to 9

Q.1 A) Choose the correct alternative and rewrite the sentence **(5)**

1) Mode of nutrition in fungi .....

a. Autotrophic b. Heterotrophic c. Saprophytic d. Symbiotic

2) A mosquito is a vector for …….

a. Typhoid b. Cholera c. Malaria d. Jaundice

3) ……. air pollutant causes decrease in the oxygen carrying capacity of the blood.

a. Sulphur dioxide b. Methane c. Carbon monoxide d. Dust

4) The electron shell ..... is nearest to the nucleus.

a) K b) L

c) M d) N

5) With the increase in the weight of an object, the pressure …….

a. remains unchanged b. increases

c. decreases d. none of the these

B) Write the following statement and state whether they are true or false. **(2)**

1) Richter Scale is one of the mathematical measuring unit.

2) Typhoid is water borne disease.

C) Match the following **(2)**

Find out my partner.

Column 'A'	Column 'B'
(i) Cattle	(a) Measles
(ii) Human	(b) Wilt virus
	(c) Picorna virus

D) Find co-related terms :- **(2)**

1) Arsenic : Inorganic pollutant **::** Algae : …….

2) Hydrogen bromide : HBr :: Hydrogen sulphide : …….

B) Name the following **(2)**

1) A fatal disease caused due to bite of infected monkey, cats, etc.

2) Element with valency 2

Q.2 A) Give scientific reasons. (any two) **(4)**

1) What are the different causes of earthquake ?

2) Lemon sherbet has sweet, sour and salty taste and it can be poured in a glass.

3) Fruits can easily be cut with a sharp knife.

B) Answer the following questions. (Any four) **(8)**

1) Complete the given table

Classify the following into elements, compounds and mixtures.
(Gold, Sugar, wax, Rust, Silicon, Washing soda, alcohol, soap, Sea water, milk)

Elements	Compounds	Mixture
.....	.....	.....

2) Distinguish between

Algae and Fungi.

3) Write Short Notes on

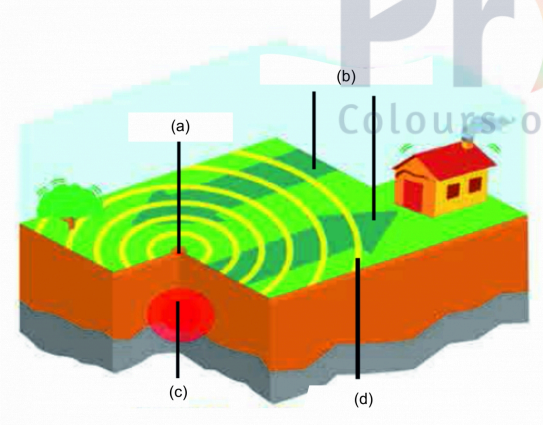
Colloid

4) Give scientific reasons

We should control spreading of diseases by mosquitoes and houseflies.

5) Label the given diagram

5) Observe the figure and complete the labels



6) Deduce the molecular formulae of the compound obtained from the following pairs of elements by the cross multiplication method.
(i) C (valency 4) & Cl (valency 1)
(ii) N (valency 3) & H (valency 1)
(iii) C (valency 4) & O (valency 2)
(iv) Ca (valency 2) & O (valency 2)

Q.3 Answer the following (Any Five) **(15)**

1) Give the preventive measures of following diseases
AIDS

2) A plastic bottle is pierced at three different points. The bottle is filled with water.

i. What is your observation from the above figure?
ii. What can you conclude from the figure?
iii. On which floor will be the pressure maximum in buildings where the water has to flow from the tank placed on the terrace?

3) Explain the effects of landslide.

4) The number of electrons of some elements is given here. By using it write the electronic configuration, number of valence electron and valency of the respective elements.

Element	Li	C	Mg	O
Number of electrons	3	6	12	8
Electronic configuration	.....	.....	.....	.....
Number of valence electrons	.....	.....	.....	.....
Valency	.....	.....	.....	.....

5) i. Name a device which helps to maintain potential difference across a conductor.
ii. In which direction does conventional current flow in the circuit.
iii. Which of the following is correct expression:
a. 1A= 1C/1sec
b. 1C= 1A/1sec

6) Suggest four preventive measures for air pollution.

Q.4 Answer the following questions. (Any Two) **(10)**

1) What is Inertia? Explain the types of inertia with an example.

2)

i. What does this symbol stand for?
ii. What is the full form of HIV?
iii. Name the test used for diagnosis of the disease.
iv. Is this disease infectious or non-infectious?
v. Can this disease be contracted by a healthy person through blood transfusion? If Yes, what measures should be taken?

3) Explain Rutherford's scattering experiment with a labelled diagram.