

**Notes :-** 1) All questions are compulsory.

2) The numbers to the write of the question indicate full marks.

3) Draw neat and labelled diagrams wherever necessary.

**1. A) Fill in the blank.**

**5**

1) Malaria is spread by female .....

2) The SI unit of pressure is .....

3) The Charge on electron is .....

4) Milk is an example of type of matter called .....

5) Pascal is the unit of .....

**B) Match the following.**

**'A' Group**

- 1) Air
- 2) Blunt knife
- 3) Proton
- 4) Rutherford's
- 5) Algae

**'B' Group**

- a) Chlorella
- b) Scattering experiment
- c) Low pressure
- d) Mixture
- e) Positive charge.

**2. A) Give the reason. ( Any 3 )**

- 1) Water is a compound.
- 2) Atom is electrically neutral.
- 3) The drawing pins heads are broad in shapes.
- 4) Ships are colour regularly.

**B) Find odd man out.**

- 1) Gold, Silver, Copper, Brass
- 2) Plague, AIDS, Cholera, T.B

**3. A) Write the answers in one sentence. ( Any 6 )**

- 1) What is the purity of gold?
- 2) Write the electronic configuration of chlorine.
- 3) What is mean potential difference.
- 4) Give definition of pollution.

- 5) What is mean by liquid?
- 6) What is mean by compound?
- 7) Defne "Atomic number"

**B) Write difference between. ( Any 2 )**

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- 1) Solid and Liquid
- 2) Metal and Non-metal
- 3) Colloid and suspension.

**4. A) Write the answer of the following questions. ( Any 2 )**

- 1) Explain Rutherford's scattering experiment.
- 2) Give the symptoms and reasons of diabetes.
- 3) Write the use of "Noble metals"
- 4) Give the preventions of air pollution.

**B) Write the following chemical reactions. ( Any 2 )**

- 1) Magnesium react with oxygen.
- 2) Carbon burn into air.
- 3) Sodium metal react with water.

**5. A) Give the notes on. ( Any 2 )**

- 1) Non-contact force.
- 2) Generic Medicine.
- 3) Balanced diet.

**B) Sketch the following diagram and name them. ( Any 2 )**

- 1) Different types of bacteria.
- 2) Paramecium.
- 3) Euglena.