

Instructions: Read the question paper carefully. Write neatly and legibly. Do not over write. Pay special attention to spelling. Read the answers before submitting the answer sheet.

Section A (Attempt All questions)

I. Tick the correct answer :

1. What can be poured from one vessel to another?

- (a) Fluids
- (b) Air
- (c) Solids
- (d) Water

2. Melting of butter is not a :

- (a) Fast change
- (b) Reversible change
- (c) Desirable change
- (d) Permanent change

3. Iodine and camphor are separated from their mixtures by:

- (a) Liquefaction
- (b) Sublimation
- (c) Distillation
- (d) Filtration

4. Latin name of iron is:

- (a) Natrium
- (b) Aurum
- (c) Ferrum
- (d) Stannum

5. Tetraatomic molecule is :

- (a) P_4
- (b) O_2
- (c) O_3
- (d) S_8

6. Cream can be separated from milk by the process of:

- (a) Filtration
- (b) Evaporation
- (c) Centrifugation
- (d) Sieving

7. The gas present in aerated drinks:

- (a) CO
- (b) C_2O_2
- (c) C_2O
- (d) CO_2

8. Symbol of potassium is:

- (a) Pb
- (b) Pu
- (c) P
- (d) K

II. Fill in the blanks:

1. Chromatography is based on the principle of _____.
2. Occurrence of landslides is a _____ change.
3. Gases can easily be _____.
4. The short form of elements is known as _____.

5. The formula of Phosphorus pentoxide is _____.
6. _____ cannot be compressed.
7. Formation of day and night is a _____ change.
8. A pure substance has _____ melting and boiling point.

III. Write true or false :

1. Neutron is a neutral particle.
2. In a chemical reaction, no new substance is formed.
3. Camphor sublimates on heating.
4. Gaseous state has least kinetic energy.
5. Bromine is the only liquid non-metal.
6. Breaking of glass tumbler is a reversible change.
7. Two miscible liquids can be separated by separating funnel.
8. Love, hate and shadow cannot be classified as matter.

IV. Select odd one out giving reasons:

1. Electron, Proton, Neutron, Compound
2. Iodine, Camphor, Naphthalene, Iron
3. Water, Juice, Oil, Ice-cream

Section B (Attempt any Four)

V. 1. Define atomicity and variable valency.

2. Write the formula of:

(i) Lead nitrate

(ii) Copper sulphate

VI. 1. What is evaporation?

2. How does water change to its vapour state?

VII. 1. What is matter made up of?

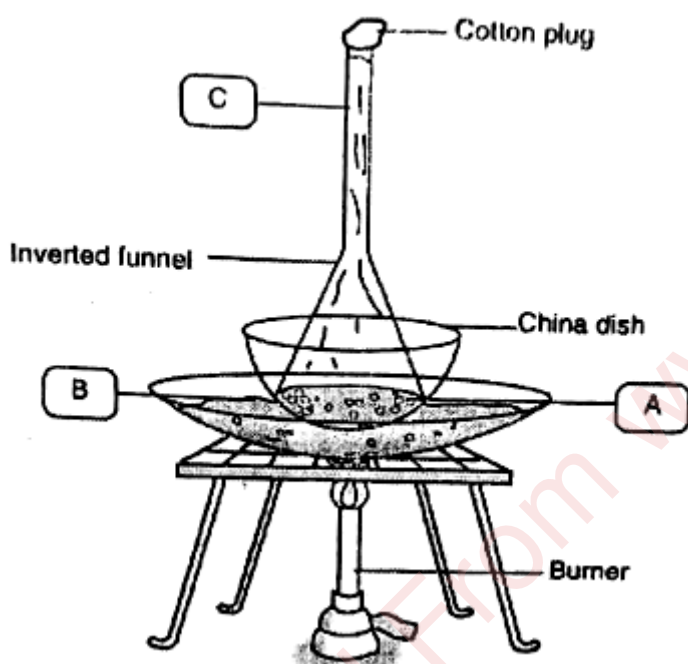
2. Give three properties of matter.

VIII. 1. What do you understand by chemical formula of an element?

2. Differentiate between a cation and an anion.

IX. Explain in detail with the help of labelled diagram separation of kerosene oil from water by using a separating funnel.

X. Answer the following question based on the diagram:



1. Name the substance A, B and C.

2. What is the colour of vapours formed?

3. Name the process which is shown.

4. Define the above stated process.

5. Name any other substance which also shows such phenomenon.

