

**HOLIDAY ASSIGNMENT**

**CHEMISTRY**

**CLASS-VII**

**Level-1 (MCQ)**

- 1) The compound rust is a hydrated oxide of
  - a) Copper
  - b) Aluminium
  - c) Iron
  - d) Gold
- 2) When sugar is heated, its colour changes into
  - a) Red
  - b) Blue
  - c) Black
  - d) Grey
- 3) Which of the following is an example of a homogenous mixture?
  - a) Tap water
  - b) Distilled water
  - c) A mixture of Sand and water
  - d) A mixture of water and oil
- 4) A pure liquid can be obtained from a solution by
  - a) Evaporation
  - b) Distillation
  - c) Filtration
  - d) Crystallisation

**Fill up the Gaps: -**

- 1) \_\_\_\_\_are made up of same kind of atoms.
- 2) \_\_\_\_\_and \_\_\_\_\_are pure substances.
- 3) In a\_\_\_\_\_ the substances are not combined chemically.
- 4) Clay is separated from water by the method called \_\_\_\_\_.
- 5) \_\_\_\_\_is a process to obtain a very pure form of a solid dissolved in a liquid.
- 6) Camphor and ammonium chloride can \_\_\_\_\_

Give One Word for the following: -

- 1) The solid particle that remains on the filter paper after the filtration.
- 2) The liquid which evaporates and then condenses during the process of distillation.
- 3) The process of transferring the clean liquid after the solid settles at the bottom of the container.
- 4) The process by which two miscible liquids are separated.

#### Level-2 (Very Short Questions)

- 1) Define matter
- 2) Name a chemical reaction that take place in the presence of heat.
- 3) Mention any one of the undesirable changes.
- 4) Justify why burning of candle is both physical and chemical change
- 5) What is the main purpose of separating a mixture?
- 6) Define Sublimation.
- 7) Mention any two practical applications of centrifugation.
- 8) Mention the principle involved in magnetic separation method.
- 9) How are distillation advantages than evaporation? (One point)
- 10) What are need for the separation of substances?
- 11) What are the Characteristic properties of a Pure Substances? Why do you need it?



- 12) Explain how will you separate a mixture of salt, chalk powder, and powdered camphor

**Level-3 (Short Questions)**

- 1) What do you mean by Chromatography? Mention any two advantages and use of chromatography.
- 2) Explain how can you separate a mixture of common salt, chalk powder and powdered camphor. Draw suitable diagram of each process involved.
- 3) State three point of difference between evaporation and boiling.
- 4) Differentiate between an atom and a molecule (3 points)

