MAR THOMA RESIDENTIAL SCHOOL, THIRUVALLA
SECOND TERMINAL EXAMINATION, 2019

STD VI CHEMISTRY

Marks 80
Time 2hrs

16/12/19

Section A

Question1

I. Fill in the blanks.

1. _____ is the smallest unit of a compound.
2. Mist is a _____ mixture of droplets of water and air.
3. The substances that make a mixture are called its _____.
4. _____ is a liquid non metal.
5. The two elements present in water can be separated by _____.
6. _____ is a metal which is used to make the filament of bulb.

(6)

II. Correct the following statements.

1. The most abundant element in the atmosphere is oxygen.
2. Ozone is a monoatomic molecule.
3. Brass is an alloy of copper and tin.
4. Iron sulphide is an element.
5. The vertical columns in a periodic table are called periods.
6. Mixtures are pure substances.

(6)

III. Give reasons for the following.

1. Water is known as a universal solvent.
2. Sodium is stored in kerosene.
3. Graphite is used to make lead of the pencils.
4. Coal is used as a fuel.
5. Copper is used to make electric wires.

(10)

IV. Differentiate the following

1. Metals and non-metals (Two points)
2. 2H and H_2
3. Solute and solvent.
4. Homogeneous and heterogeneous mixtures.
5. Compounds and mixtures. (Two points)

(10)

V. Classify the following as

1. Elements and compounds.

1. Mercury 2.Sugar 3.Sulphur 4.Baking soda 5.Carbon 6.Alcohol

(3)

2. Homogeneous and heterogeneous mixtures

1. Salt solution 2.Petrol and water 3.Alcohol and water 4.smoke
5. Sulphur and iron filings 6.Milk

(3)

3. Metals nonmetals and metalloids
   1. Magnesium 2.Iodine 3.Nitrogen 4.Arsenic 5.Manganese 6 Antimony
   7. Silver 8.Calcium

Section B

Question1

1. Mention two gaseous elements and write their molecular formulae.
2. Write the Latin names and symbols of the following elements.
   1. Iron 2.Copper 3.Lead 4.Tin 5.Potassium 6.Gold
3. What is an element?
4. Name the elements present in the following compounds.
   1. Glucose 2.Common salt 3.Water

Question 2

1. Name the form of carbon which is used as a gem.
2. State the number of atoms of each element present in the following compounds.
   1.H_2SO_4 2.$CaCO_3$ 3.NaOH
3. Why do we separate the components of a mixture?
4. Why are symbols and formulae of substances important?
5. Define atomicity. What is the atomicity of chlorine?

Question 3

1. Name the elements represented by the following symbols.
   F, Li, B, Ne, P, Si
2. State three characteristics of water to show that it is a compound.
3. What is a formula? Write the molecular formulae of the following compounds.
   1. Aluminium oxide 2. Zinc chloride.

Question 4

1. Name the following.
   1. A solvent of Sulphur.
   2. A gas which is a supporter of combustion.
   3. Two metallic oxides.
2. State the informations obtained from the formula of a compound.
3. What is meant by CO_2 and $3CO_2$.
4. What is a pure substance?
5. Define the following.
   1. Sieving 2.winnowing
6. Describe an experiment to separate common salt and ammonium chloride With the help of a neat labelled diagram.