MAR THOMA RESIDENTIAL SCHOOL, THIRUVALLA
THIRD TERMINAL EXAMINATION,2018
DVI CHEMISTRY Time $1^1/_2$ hr
Marks 80

I. Fill in the blanks.
1. The melting point and freezing point of pure water are the _____.
2. The percentage of carbon dioxide in the air is_____.
3. _____ is a supporter of combustion.
4. Any material that produces heat on burning is called_____.
5. The level of underground water is called _____.
6. _____ exists in all the three states in nature.
7. Drinking water has a slight taste due to the dissolved _____ in it.
8. A homogeneous mixture of a solute in a solvent is called _____.
9. The concentration of salt in sea water is called _____ of sea water..
10. A chemical reaction which proceeds by the absorption of heat energy is called _____.

II. Name the following
1. Solid carbon dioxide.
2. The smallest particle of an element.
3. Two waterborne diseases.
4. A monoatomic molecule.
5. The two factors on which the solubility of a solute depends.
6. Chemical name of rust.
7. Water that comes out through cracks on the earth s surface.
8. The gas used in the food packaging industry.
9. Chemical name of common salt.
10. An apparatus used for holding washed test tubes.

III. Correct the following statements.
1. Chemical changes are temporary and reversible.
2. Oxygen is the main component of air in terms of percentage by volume.
3. Atomicity of chlorine is one.
4. Solution made in water is called a saturated solution.

IV. Give reasons for the following.
1. Water is known as a universal solvent.
2. Sea water is called saline water.
3. Distilled water is not good for drinking.
4. A burn from steam is always more painful than that from boiling water.
5. Wire gauze is placed below the glass apparatus while heating.
6. Ice floats on water.

V. Define the following

1. Density 2. Solute. 3. Solubility. 4. Combustion. 5.Hard water

VI. Write the chemical formula for the following.

1. Hydrogen 2.Nitrogen 3. Ozone 4.Zinc oxide 5.Methane 6.Chlorine

VII. Write the symbols and Latin names of the following.

1.Mercury 2. Potassium 3.Tin 4.Copper 5.Lead 6.Silver.

VIII. Classify the following as

1. Metals, nonmetals and metalloids.

1. Zinc 2.Sulphur 3.Germanium 4.Carbon 5. Platinum 6Arsenic 7.Silver 8. Phosphorus

2. Elements and compounds

1. Sugar 2.Sodium 3.Ammonia 4.Oxygen 5.Common salt 6.Iron

3. Physical changes and chemical changes

1. Burning of wood 2.Respiration 3.Drying of wet clothes 4.Ripening of 5. Cutting vegetables 6.Dissolution of salt in water.

IX. Answer the following questions.

1. What is anomalous expansion of water?
2. What are the human activities that cause air pollution?
3. Write the uses of the following laboratory apparatus.
   1.Conical flask 2.Funnel 3.Bunsen burner 4.China dish
4. What is a desirable change?
5. What is ozonation?
6. How will you show that air contain water vapour?
7. Write the characteristics of potable water.
8. Write four conditions needed for a chemical change.
9. Describe an experiment to show that oxygen is released during photosynth
10. What is global warming?
11. Explain water cycle with the help of a labelled diagram.