Sample Paper SET-I
Subject: CHEMISTRY (science paper-2)

Class: 6

Time Duration: 2hours. Maximum marks: 80

General Instructions:

Answers to this page must be written on the paper provided separately.
You will not be allowed to write during first 15 minutes.
This time is to be spent in reading the Question paper.
The time given at the head of this paper is the time allowed for writing the answers.
Attempt all question from section-I and any four question from section-II.
The intended marks for questions or parts of questions are given in brackets [ ].

SECTION – I (40 Marks)

Attempt all questions from this section.

I. Name the following. [5]

1. Name of an element that show the property of both metals and non-metals.
2. Name the apparatus used for evaporating chemical solution by heating.
3. Name the process which is involved in the conversion of liquid into gas?
4. Name the innermost layer of the earth.
5. Name the product which is extracted from galena.

II. State whether the following statements are true or false. If false, rewrite the statement. [5]

1. The first letter of the chemical symbol in chemistry should always be in upper case. ( )
2. Condensation is the method used to obtain the purest form of water. ( )
3. Chemistry is a branch of science which deals with the study of human body. ( )
4. Organic chemistry is the study of carbon compounds. ( )
5. Metallic elements are ductile. ( )

III. Give functions of the following terms. [5]

1. Electrolysis.
2. Handpicking.

IV. Fill in the blanks. [5]

1. ____________ is an example of extrusive igneous rock.
2. An atom consists of ___________ and ______________.
3. Quartz is made up of ___________ and __________.
4. __________ discovered the modern periodic table.
5. _______________ is the percentage of nitrogen in air.
V. Draw a neat labeled diagram for the following questions. [5]

1. Intermolecular forces of attraction in liquid.
2. Water Cycle.

VI. Multiple choice questions. [5]

1. Which of the following gas is taken in during photosynthesis?
   a) Oxygen
   b) Carbon dioxide
   c) Sulphur dioxide
   d) Nitrogen dioxide.

2. ________ is the representation of a substance by means of symbols.
   a) Chemical formula.
   b) Chemical structure.
   c) Chemical equation.
   d) Chemical reaction.

3. The maximum number of electrons accommodated in S shell is ________.
   a) 2.
   b) 8.
   c) 18.
   d) 32.

4. The process of conversion of gas into liquid is called______.
   a) Melting
   b) Vapourisation
   c) Condensation
   d) Freezing.

5. ________ smallest particle of an element.
   a) Atom.
   b) Nucleus.
   c) Molecules
   d) Electron.

VII. Define the following terms. [5]

1. Sieving.
2. Heterogeneous mixture.
3. Endothermic change.
5. Hand-picking.
VIII. Match the items in column A with those in column B. [5]

<table>
<thead>
<tr>
<th>Column A</th>
<th>Column B</th>
</tr>
</thead>
<tbody>
<tr>
<td>5. Burning of magnesium ribbon.</td>
<td>5. Galvanisation.</td>
</tr>
<tr>
<td>6. Rusting of iron.</td>
<td>6. H₂O</td>
</tr>
<tr>
<td>7. Magnetite.</td>
<td>7. Stannum.</td>
</tr>
<tr>
<td>8. Yeast</td>
<td>8. Triferric tetra oxide.</td>
</tr>
</tbody>
</table>

SECTION – II (40 Marks)

Attempt any 4 questions from this section.

1. Define chemistry and its importance? [10]
2. Explain different types of changes with an example for each change? [10]
3. List out the physical and chemical properties of water? [10]
4. Define matter and list out the property of different matter s with examples? [10]
5. What do you mean by the term rain water harvesting? List out few steps used for minimizing water consumption [10]
6. Distinguish between the following terms:
   i. Solid and liquid.
   ii. Elements and compounds.
   iii. Metals and non-metals.
   iv. Physical and chemical change.
   v. Basaltic and granite.