



Primrose Schools

ICSE Curriculum
(A Unit of Primrose Educational Trust, Chennai)
An ISO 9001:2015 Certified Institution

State Purpose of Worksheet – III Term Examination [2018 – 2019]

[KG Class work/Home Assignment/Alternate Class work/Internal Assessment/Continuous Assessment/Unit Test/Cycle Test/Revision Test/Mid Term Examination/Term Examination/Preboard]

Name:	Std: VII	Subject: Chemistry
Date:	Term: III	Topic: NA
Maximum Marks: 60	Time Duration: 1 ½ hr	Type of Assessment (if internal assessment): NA

General Instructions

Answers to this Paper must be written on the paper provided separately.

*You will not be allowed to write during the **first 10** 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.

Section I is compulsory. Attempt **any four** questions from **Section II**.

The intended marks for questions or parts of questions are given in brackets [].

Section I [30 Marks]

Attempt **all** questions

Question 1

a) Find the valency of following elements and write their chemical formulae with chlorine (atomic no. =17). [10]

Al = 13, Na = 11, K = 19, C = 6, P = 15, Cl = 17

b) Fill in the blanks. [5]

- The process of coating a metal with zinc is called -----.
- gas produces carboxyhemoglobin on reacting with hemoglobin.
- Mass of proton is -----.
- $\text{Mg} + \text{H}_2\text{O} \rightarrow \text{-----} + \text{MgO}$.
- $\text{Cu} + \text{-----} \rightarrow \text{CuCl}_2$

c) Give one example of each (equations only) of following. [8]

- Combination reaction
- Neutralization reaction
- Decomposition reaction
- Displacement reaction

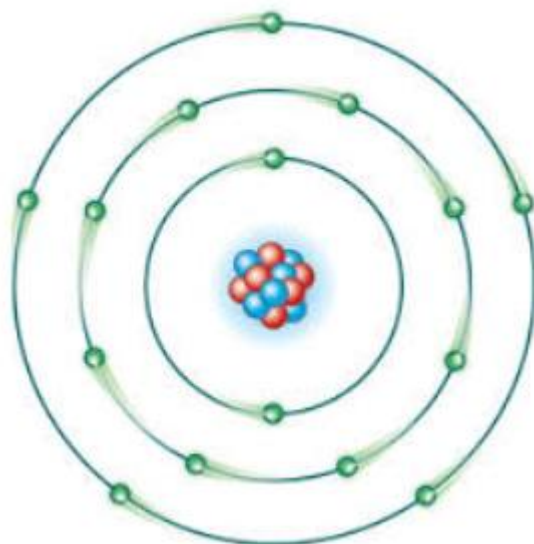
- d) Match the following. [5]
- | | |
|---------------------|----------------|
| i) Welding | Polyatomic |
| ii) Haber process | Oxy- acetylene |
| iii) PCl_5 | Nitrogen |
| iv) Galvanization | Sulphur |
| v) Vulcanisation | Corrosion |

- e) Differentiate between [2]
- Assimilation and ammonification
 - Atomic number and mass number

Section II [30 Marks]
Attempt **any three** questions

Question 2

- a) Given here is the orbital diagram of an atom of element.



- Draw and label the diagram. [1]
- Find its valency and write the name of element. [2]
- Write the total number of proton and electron? [2]

- b) Give Reason for the following.

- Why copper is used for the preparation of electric wires? [1]
- Why special device called catalytic convertor is used in vehicles? [2]
- Why crude oil (thick oil) is separated by fractional distillation process? [2]

Question 3

a) Define the following.

- i) Homogenous mixture and heterogeneous mixture along with one example each [2]
- ii) Radicals and types along with two example of each type [2]
- iii) Characteristics of chemical equation [1]

b) Complete the table with yes or no.

[5]

objects	Beaten to sheet with hammer	Produces sound on dropping	Has luster	Metal /Non-metal
i) pencil lead				
ii) Aluminum wire				
iii) Iron nail				
iv) Coal piece				

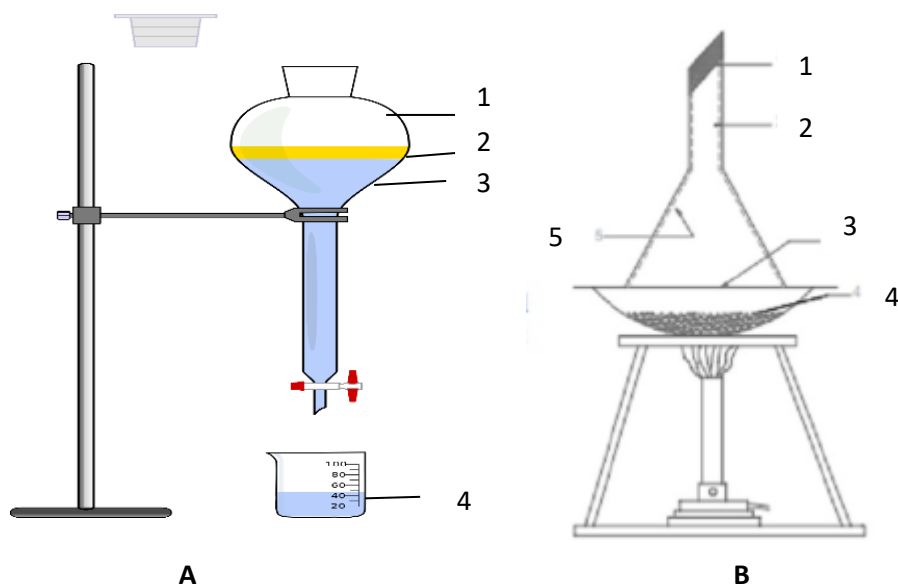
Question 4

a) Give example of following.

[5]

- i) Spontaneous oxidation
- ii) Rapid oxidation
- iii) Slow oxidation

b) Given here are diagram of instruments use for separation method.



- i) Label the diagrams [2]
- ii) Give an examples of mixtures that are separated by these methods? [1]
- iii) Name these methods of separation. [2]

Question 5

a) Depict the pictures carefully and explain its causes, effects and preventive measures.

[5]



b) Complete the concept map.

[3]

Substance	
Mixtures	Compounds
Characterstics	Characterstics
1	1
2	2
3	3

c) Define greenhouse effects. Which gases are responsible for greenhouse effect?

[2]