

Class: X

Formative Assessment - I

Sub: Science

marks: 25

I. Answer any TWO of the following questions. 2 x 4 = 8

1. Write the difference between evaporation and boiling?
2. Define types of chemical reactions and give example to each?
3. Write the balanced chemical equation to the following.

- a) zinc + silver nitrate \longrightarrow zinc nitrate + silver
b) aluminum + copper chloride \longrightarrow aluminum chloride + copper
c) hydrogen + oxygen \longrightarrow water
d) calcium hydroxide + nitric acid \longrightarrow calcium nitrate + water

II. Answer the following questions. 2 x 2 = 4

1. Explain rancidity?
2. What would be final temperature of mixture of 50g of water at 20⁰c temperature and 50g of water 40⁰c temperature?

III. Answer the following questions. 3 x 1 = 3

1. Convert 267⁰c into kelvin scale?
2. Why do we apply paint on iron articles?
3. Give two example for oxidation – reduction reaction.

IV. Fill in blanks. 4 x 1/2 = 2

1. The latent heat of fusion of ice is _____
2. Ice floats on water because _____
3. The reaction $2N_2O \longrightarrow 2N_2 + O_2$ is example for _____ reaction.
4. The sultriness in summer days is due to _____

V. Choose the correct answer. 6 x 1/2 = 3

1. Evaporation [] a) warming process
2. Condensation [] b) solid to liquid
3. Melting [] c) cooling process
4. Boiling [] d) liquid to solid
5. Freezing [] e) hotness or coldness
6. Temperature [] f) liquid to gas

VI. Project work . 5 Marks