

FORMATIVE ASSESSMENT – 1

Set-1

CHAPTERS - 1, 2

Subject:- Physical Science

Class:- X

Time :- 45 Minutes

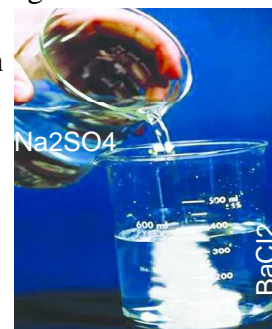
Max.Marks:- 20

I. Answer the following Questions. Each question carries FOUR marks. 2x4 = 8M

1. Why the surroundings of the ponds remains cool at summer season and hot during winter season?

2. Observe carefully the following activity done by you when Na_2SO_4 reacts with BaCl_2 and answer the following questions?

- Write the reactants and products from this chemical reaction?
- Write the balanced chemical equation for this chemical reaction?
- Which type of a chemical reaction it is?
- Write the name of the precipitate formed in this reaction?



II. Answer the following Questions. Each question carries TWO marks. 2x2 = 4M

3. Bhahubali get shocked about his sword spoiled when they exposed to moisture air? How can you explain the spoil of iron articles and what steps do you taken to prevent this to bhahubali?

4. Explain the principles of methods of mixtures? Give some examples?

III. Answer the following Questions. Each question carries ONE marks. 2x1 = 2M

5. Why water is used as a coolant in nuclear reactors?

6. Write the name of metal which is not undergone oxidation process?

IV. Multiple Choice Questions. 6x1 = 6M

7. Which of the following is a warming process? []
A) Evaporation B) Condensation C) Boiling D) All the above

8. Which of the following has more specific heat? []
A) Kerosene oil B) Iron C) Copper D) Water

9. Rate of evaporation of a liquid depends on its- []
A) Surface area B) Temperature C) Amount of water vapour D) All the above

10. $\text{Zn} + 2\text{HCl} \rightarrow \text{_____} + \text{H}_2 \uparrow$ []
A) ZnCl B) ZnCl_2 C) ZnH D) Cl_2

11. Corrosion can be prevented by? 1) Painting 2) oiling 3) Greasing 4) galvanizing []
A) 1 B) 1&2 C) 1, 2&3 D) 1, 2, 3&4

12. The symbol of precipitate in a chemical reactions are _____ []
A) \uparrow B) \downarrow C) \rightarrow D) \Rightarrow

ALL THE BEST