

## FORMATIVE ASSESSMENT-2

## CHAPTER – 4

Name:..... Section:..... Roll No:.....

Max.Marks:20

**I. Answer the following questions. Each carries four marks.****2 x 4 = 8 M**

- 1) Write an activity that shows the reaction between acids and metals to liberate Hydrogen gas.
- 2) Complete the following table.

Substance	Blue Litmus	Red Litmus	Methyl Orange	Phenolphthalene
HCl	Red			
NaOH		Blue		
Distilled Water				No change
Soap Water			Yellow	

**II. Answer the following questions briefly. Each carries two marks.****2 x 2 = 4 M**

- 3) What happened to aquatic life if  $P^H = 2$  ?
- 4) Name the acid and base in which  $Na_2SO_4$  salt is produced due to reaction between them.

**III. Answer the following in one or two sentences. Each carries one marks. 2 x 1 = 2 M**

- 5) What is common salt? Write its formula?
- 6) Which gas is liberated when Sodium carbonate reacts with acid?

**IV. Choose the correct choice and write down in the given brackets.****6 x 1 = 6 M**

7) Hydronium ion

[     ]

A.  $NH_4^+$ B.  $CO_3^{-2}$ C.  $H_3O^+$ D.  $NO_3^-$ 

8) Which is true ?

[     ]

A. Water should be added to acid

B. Acid should be added to water

C. Acid should not be added to water

D. Any one of the above

9)  $Ca(OH)_2 + Cl_2 \rightarrow \dots\dots\dots + H_2O$ 

[     ]

A.  $CaOCl_2$ B.  $CaCl_2$ C.  $CaHCl_2$ D.  $CHCl_3$ 

10) Slaked lime

[     ]

A. Calcium hydroxide

B. Potassium hydroxide

C. Sodium hydroxide

D. Sodium carbonate

11) Which is electrolyte either glucose solution or salt solution? .....

[     ]

A. glucose solution

B. Salt solution

C. both are electrolytes

D. both are non electrolytes

12) ..... is used as plaster for fractured bones.

[     ]

A. Gypsum

B. Copper sulphate

C. Plaster of Paris

D. Sodium carbonate