

FORMATIVE ASSESSMENT-2

CHAPTER – 4

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

Max.Marks:25

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.**3 x 2 = 6 M**

- 3) Define strong acids. Give two examples.
- 4) What happened to aquatic life if $P^H = 2$?
- 5) 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. 3 x 1 = 3 M

- 6) What is common salt? Write its formula?
- 7) Which gas is liberated when Sodium carbonate reacts with acid?
- 8) How can soda prepared?

IV. Choose the correct choice and write down in the given brackets.**4 x 1 = 4 M**

9) Hydronium ion

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

10) Which is true ?

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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

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

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

12) Slaked lime

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A. Calcium hydroxide

B. Potassium hydroxide

C. Sodium hydroxide

D. Sodium carbonate

IV. Fill in the blanks with suitable answers.**4 x 1 = 4 M**

13) Which is electrolyte either glucose solution or salt solution?

14) solution is the dye extracted from lichen.

15) is used as plaster for fractured bones.

16) The chemical name of Soda is