

Class: X

Name of Student: .....

**ACIDS, BASES and SALTS**

**Read the passage given below and choose the correct option of Question Number 1 to 5 by putting a tick mark (✓) against them.**

**1X5**

**When** Copper vessel is exposed to moist air for a long time .it acquires green coating. Copper corrodes by oxidation. In this process of corrosion copper reacts with moisture and gases present in the Air (oxygen and carbon dioxide) to form Copper hydroxide and Copper Carbonate which is green in colour. This gives a green colour to the surface of copper metal.The mixture formed is basic in nature, which reacts with the acid (citric acid) present in lemon to form a Copper Citrate which is washed away with water. As a result, the green-coloured substance formed is removed from the surface of the vessel and the shining surface is seen.

1. Chemical formula of Copper Carbonate is
  - a.  $\text{Cu}(\text{CO}_3)_2$
  - b.  $\text{Cu}_2\text{CO}_3$
  - c.  $\text{CuCO}_3$
  - d.  $\text{Cu}_2(\text{CO}_3)_2$
2. Copper vessel is tarnished due to
  - a. Reduction
  - b. Oxidation
  - c. Both Oxidation and Reduction
  - d. All of the above
3. Reaction between acid and base is called as
  - a. Oxidation
  - b. Reduction
  - c. Neutralisation
  - d. Corrosion
4. Copper Citrate is a/an
  - a. Acid
  - b. Base
  - c. Salt
  - d. Acid and salt both
5. An aqueous solution turns red litmus solution blue. Excess addition of which of the following solution would reverse the change?
  - a. Baking powder
  - b. Lime
  - c. Ammonium hydroxide solution
  - d. Hydrochloric acid

**Question numbers 6 to 10 are Short Answer Type Of Questions: Answer the given questions in brief.**

**3X 5**

6. What will be the action of the following substances on litmus paper?

Dry NaOH, Vinegar, Lemon juice, Carbonated soft drink, Curd, Soap solution

Ans.....  
.....  
.....  
.....  
.....  
.....  
.....

7. Which acid is use to be injected into the body by the sting of honey bee? Which chemical is use to neutralize its effect and why?

Ans.....  
.....  
.....  
.....  
.....  
.....  
.....

8. What are indicators? Write three examples of natural and artificial indicators.

Ans.....  
.....  
.....  
.....  
.....

9. What is dilution? Is it an exothermic or endothermic reaction? What are the precautions to be taken while doing dilution?

Ans:.....  
.....  
.....  
.....  
.....  
.....  
.....

10. What are antacids? Describe with examples. How does these help in indigestion?

Ans.....  
.....  
.....  
.....  
.....  
.....