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**Max Time : 1 hr** **Class = 10th Science Test Max Marks : 25**

**ACIDS, BASES AND SALTS**

1. If a few drops of a concentrated acid accidentally spills over the hand of a student, What should be done? [ 1 ]
2. What is the common name of the compound CaOCl2? [ 1 ]
3. Why does dry HCl gas not change the colour of the dry litmus paper? [ 1 ]
4. Arrange the following in increasing order of acidic strength . [ 1 ]

Acetic acid , Water and Hydrochloric acid

1. Name the substances which on treatment with chlorine yields bleaching powder. [ 1 ]
2. In addition to sodium hydrogen carbonate, baking powder contains a substance ‘X’. Name the substance ‘X’. [ 1 ]
3. What is the commercial name of calcium sulphate hemihydrate? [ 1 ]
4. Plaster of Paris should be stored in moisture proof container. Explain why. [ 1 ]
5. How is the concentration of Hydronium ion (H3O+) affected, when the solution of an acid is diluted? [ 1 ]
6. Why does an aqueous solution of an acid conduct electricity? [ 2 ]
7. What is meant by water of crystallization? Explain that the crystalline salts contain water of crystallization. [ 2 ]
8. Give suitable reason for the following statements : [ 3 ]
9. We feel burning sensation in the stomach when we overeat.
10. The crystals of washing soda change to white powder on exposure to air.
11. An aqueous solution of sodium chloride is neutral but an aqueous solution of sodium carbonate is basic.
12. Write word-equation and then balanced equations for the reactions taking place when [ 3 ]
13. Dilute sulphuric acid reacts with zinc granules.
14. Dilute Hydrochloric acid reacts with magnesium ribbon
15. Dilute sulphuric acid reacts with Aluminium powder
16. Dilute Hydrochloric acid reacts with iron filings
17. A milkman adds a very small amount of baking soda to fresh milk. [ 3 ]
18. Why does he shift the pH of the fresh milk from 6 to slightly alkaline?
19. Why does this milk take a long time to set as curd?
20. Give two important uses of washing soda and Baking soda. [ 3 ]