ACIDS , BASES AND SALTS

# VERY SHORT ANSWER TYPE QUESTIONS (1MARK)

1. Write the name of the products formed by heating gypsum at 373K . Write one use of it.
2. Write the chemical name and formula of the compound which is used as an antacid

# SHORT ANSWER TYPE QUESTIONS (2MARK)

1. Given below are the ph values of different liquids

7.0 , 14.0 , 4.0 , and 2.0 .

Which of these could be that of

1. Lemon juice
2. Distilled water
3. Sodium hydroxide solution
4. Tomato juice
5. What is baking powder ? How does it make the cake soft and spongy ?

# SHORT ANSWER TYPE QUESTIONS (3 MARK )

1. Write the chemical name of POP. Write a chemical equation to show the reaction between POP and water . Name the compound produced in this reaction .
2. A gas X reacts with lime water and forms a compound Y which is used as bleaching agent in the chemical industry. Identify X and Y . Give the chemical equation of the reaction involved .

# LONG ANSWER TYPE QUESTIONS (5 MARK)

1. (a) A milk man adds a very small amount of baking soda to fresh milk . Why does he shift the pH of the fresh milk to slightly alkaline?
2. Mention pH range within which our body works ?
3. Explain how antacids give relief from acidity
4. Mention the nature of tooth pastes. How do they prevent tooth decay .
5. (a) Crystals of a substance changed their colour on heating in a closed test tube but regained it after sometime when they were allowed to cool down . Name the substance and write its formula .Explain the phenomenon.
6. How is sodium carbonate prepared ? Give two uses of the compound

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# MCQ

1. Which of the following gives the correct increasing order of acidic strength ?
2. Water < Acetic acid < Hydrochloric acid
3. Water < Hydrochloric acid < Acetic acid
4. Acetic acid < Water < Hydrochloric acid
5. Hydrochloric acid < Water < Acetic acid
6. Which of the following salts does not contain water of crystallisation ?
7. Blue vitriol
8. Baking soda
9. Gypsum
10. Washing soda
11. Common salt , besides used in kitchen , can also be used as the raw material for making :
12. Washing soda
13. Baking soda
14. Bleaching powder
15. Slaked lime

1} (a) and (b)

2} (a) and (c)

3} (a), (b) and (c)

4} (a) , (c) and (d)

4. The acid having highest hydrogen ion concentration is one with

(a). Ph=2.5

(b) ph =1.8

(c) ph=7

(d) ph= 10

5. The pH of gastric juice released during digestion is :

(a) less than 7

(b) more than 7

(c) equal to 7

(d) equal to 0

### HURRAY !!