



# Purnima International School

Shree Swaminarayan Gurukul, Zundal

Student Name					
Date		Grade	X	Roll No.	
Subject	Science	Marks	10	Teacher's Sign	

## Test paper - 02

( Ch -2 Acids,Basesandsalts)

Que. 1 Multiple choice questions.( 4marks)

1. Which is a base and not alkali?

(a)  $NaOH$

(b)  $KOH$

(c)  $Fe(OH)_3$

(d) None

2. Chemical formula of baking soda is

(a)  $MgSO_4$

(b)  $Na_2CO_3$

(c)  $NaHCO_3$

(d)  $MgCO_3$

3. The  $H^+$  ion concentration of a solution is  $1.0 \times 10^{-5} M$ . The solution is

(a) Acidic

(b) Alkaline

(c) Neutral

(d) Amphoteric

4. A drop of liquid sample was put on the pH paper, paper turned blue. The liquid sample must be of

(a) Lemon Juice

(b) HCl

(c) Sodium bicarbonate

(d) Ethanoic acid.

**Que. 2 Answer the following questions. (Any 3 out of 5) (6 marks)**

1. What is a neutralization reaction? Give two examples.
2. Give two important uses of washing soda and baking soda.
3. What does one mean by exothermic and endothermic reactions?
4. Do basic solutions also have  $H^+$  ions? If yes, then why are these basic?
5. We have two solutions 'A' and 'B'. The pH of solution 'A' is 6 and pH of solution 'B' is 8. Which solution has more hydrogen ion concentration? Which is acidic and which one is basic?