CHEMISTRY



Board – CBSE	Class – 10 th	Topic – Acids, Bases and Salts	Max. Marks – 30	Time – 1 Hr	
1. Which chemicals are used in soda – acid fire extinguishers?				[1]	
2. Name a salt which does not contain water of crystallization.				[1]	
3. How will you prove that given salt is carbonate of metal?				[2]	
4. Dry	Dry HCl gas does not change the color of dry blue litmus paper. Give reason. [2				
5. In (In one of the industrial processes used for manufacture of sodium hydroxide a gas X is				
for	formed as by – product, the gas X react with dry slaked lime to give a compound Y which is				
USe	ed as a bleaching	agent in chemical industry. Identify X ar	nd Y.	[3]	
6. (a)	5. (a) Three acidic solution A, B and C have $pH = 0$, 3 and 5 respectively.				
	(i) Which solution has highest concentration of H ⁺ ions?				
	(ii) Which solution has lightest concentration of H ⁺ ions?				
(b)	(b) How concentrated sulphuric acid can be diluted? Describe the process.				
7. Wh	While constructing a house, a builder selects marble flooring and marble table top for the				
kitchen where vinegar and juices and lemon tamarind etc., are more often used for cooking.					
Wi	I you agree to th	s selection? And why?		[3]	
8. (i)	Define mineral in	dicator. Mention its one use.		[5]	
(ii) Solution A gives pink color when a drop of phenolphthalein indicator is added to it.					
	Solution B gives red color when a drop of methyl orange is added to it. What type of				
	solutions are A and B and which one of the solution A and B will have a higher pH				
	value?				
(iii)	(iii) Name one salt whose solution has pH more than 7 and one salt whose solution has pH				
	less than 7.				
9. W	9. What is the water of crystallization. Write the common name and chemical formula of a				
COI	commercially important compound which has the water molecules as water crystallization.				
Но	w is this compou	nd obtained? Write the chemical equation	n also. List any two u	ses of this	
COI	compound. [5]				
10. De	tine olfactory ind	cators. Name two substances which can	be used as olfactory	indicators.	
	Explain them.			[5]	