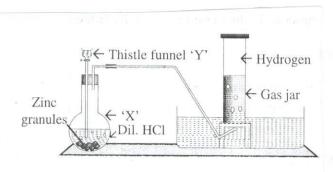


## FUSCO'S SCHOOL (ICSE)

## Indiranagar, Bangalore ANNUAL EXAMINATION 2016-17

Subject: Chemistry

Class:	VIII IVIARKS:	00
I.	Fill in the blanks:	10
	a. During solidification can freezing the inter particle attraction	
	b. The temperature is called absolute zero.	
	c. All the temperature on the Kelvin scale are in	
	d is a group of atoms of elements having charge on it.	
	e. Industrially hydrogen can be prepared by process.	
	f. The phenomenon of adsorbing large volume of hydrogen is called	
	g. Hydrogen burns with flame sound	
	h. Formula for potassium chlorate	
	i. Total quantity of mass and energy together through out in a cher	nical
	reaction.	
	j. The three states of matter are	
II.	Define the following:	8
	1. Valency 2.Law of conservation of man	
	3. Hydrogenation 4. Boyle's law	
III.	Give reasons for the following:	10
	a. On heating a liquid at its boiling point heat energy is converted to pote	ential
	energy.	
	b. On heating a sublimable solid the inter particle attraction is overcome	
	c. Nitric acid in the dilute form is not used for the preparation of hydrog	en
	from metals.	
	d. Gases un like solids and liquids exert pressure in all direction.	
IV.	Write the molecular formula for the following: (using valences)	6
	a. Lead monoxide d. Iron (II) sulphide	
	b. Ammonium hydroxide e. Potassium zincate	
	c. Calcium bi sulphate	
V.	The diagram represents the preparation and collection of hydrogen by a	
	standard laboratory method	6



		2.	Name a solution which absorbs the impurity – H <sub>2</sub> S	
			State why hydrogen is collected after all the air in the apparatus is allow	wed
			to escape	
		4.	Name a gas other than hydrogen collected by the same method.	
			Write down the equation for that reaction	
0	2.22	***	Section – II 40Marks	
Question I.	on		alamand aquations for the following conversion:	6
1.			alanced equations for the following conversion:  Sodium zincate from zinc	U
		a.	Sodium zineate from zine	
			Sodium aluminate from aluminium.	
		C.	Sodium aluminate from aluminum.	
II.		State t	he conditions and give balance equation for the conversion of:	4
		a. Co	ske to water gas	
		b. W	ater gas to hydrogen	
Questi				17.81
I.			alanced equation for the following words equations.	4
			hydrochloric acid → Iron (II) chloride + water	
			m + water — calcium hydroxide + Hydrogen	
	c.	Water	electric Currant hydrogen + oxygen.	
	d.	Nitroge	en dioxide + Water + oxygen — Nitric acid	
II. A	nsv	ver the	following:	
			perfect gas equation	4
			o solids, liquids and gases differ with reference to inter – particle space	and
			particle attraction and collision.	4
	3.		e similarities between hydrogen and halogen.	2
1.	Qu	estion	– IV	
	I.		the observation for the following:	8
		a.	When zinc filling are added to a concentrated solution of sodium	
			hydroxide.	
			When lead is added to dil. sulphuric acid	
		c.	When hydrogen is passed through organic compound (vegetable) in the	ie
			presence of a catalyst.	
		d.	When hydrogen react with sulphur	
	TT	Sata th	as use of hydrogen	2
	11.		As a fuel b. In extraction of metals	4
	Ш			
	111		Calculate the following Calculate the temperature at which a gas 'A' at 20° cc.	2
		a.	A gas 'X' at a pressure of 75mm of hg and temp 38° c has a value 2.57	
		D.		2
		_		
		C.	At a given temp the pressure of a gas reduces to 75% of its initial value	-

1. State what difference will be seen if pure zinc is added in the distillation

flask 'x' instead of granulated zinc