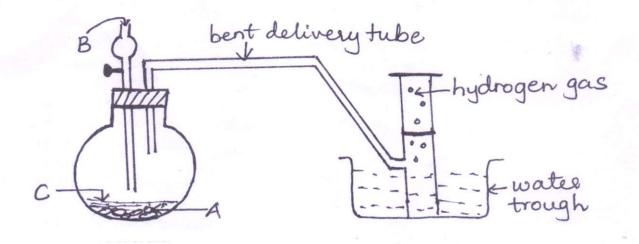
GREENLAWNS HIGH SCHOOL FINAL EXAMINATION YEAR 2018

	: CHEMISTRY : 1 ½ HRS		CLASS MARKS	
will not be	swer to this paper must be writte allowed to write during the first question paper.	~ ~ ~		
	SECTION - I	-40 MARKS		
		re compulsory)		
Q.1. A] Fill	in the blanks:-			[5]
1. In ae	rated drinks		is dissolved a	under high
press				
	et combination reactions are also	called as		
reacti		or romana maiate	anna franca atha	
4	agents absorb	st element known	ture from othe	substances
	is found in			ntains
	ns and neutrons.			
only the a) Hydr b) In the c) Carbo d) Noble	hether the following statements as underlined words. ogen burns with a pale, blue flante activity series of metals, the moon dioxide is an acidic oxide. e gases have unstable electronic sium revolves on water surface a	ne forming water. ost active metal is configuration.	at the top of	the series.
C) Match th	ne following: (Eg. 6 – f)			. [5]
	Column A	Column B		
1. Epso		a) Na ₂ CO ₃ . H ₂ O		
2. Catal		b) P ₂ O ₅		
	ccating agent ning soda	c) V ₂ O ₅ d) fused CaCl ₂		
5. Dryir		e) MgSO ₄ .7H ₂ O		
 Magr Sulph Potas Zinc 	te the chemical formulae for the nesium chloride nuric acid ssium hydroxide sulphate um bicarbonate	following :-		[5]

B) Give symbols for the following elements:- 1) Iron 2) Copper	[2]
3) Manganese 4) Aluminium	
C) Give the English names for the following: 1) Na 2) Ag 3) W	[3]
 Q.3 A) Name the following: The positively charged sub-atomic particle of an atom. The term used for a substance which dissolves the solute. Group of atoms of elements that behave like a single unit and show valency. The gas preferred for filling meteorological balloons. Solid carbon dioxide. 	[5]
B) Balance the following chemical equations. 1) Na ₂ O + H ₂ O → NaOH	[5]
2) KClO ₃ $\stackrel{\triangle}{\longrightarrow}$ KCl +O ₂	
2) KClO ₃ $\xrightarrow{\Delta}$ KCl +O ₂ 3) Fe + H ₂ O $\xrightarrow{\Delta}$ Fe ₃ O ₄ + H ₂	
4) KHCO ₃ $\stackrel{\triangle}{\longrightarrow}$ K ₂ CO ₃ + H ₂ O + CO ₂ \uparrow	
5) Mg + CO ₂ MgO + C	
Q.4. Identify the type of chemical reactions given below:-	[5]
1) 2 Ca + O ₂	
2) $N_2 + 3H_2 = 2NH_3$	
3) $Zn + CuSO_4 \xrightarrow{450^{\circ}C} ZnSO_4 + Cu$	
4) NaOH + HCl NaCl + H ₂ O	
5) $2\text{HgO} \xrightarrow{\triangle} 2\text{Hg} + \text{O}_2$	
<u>SECTION – II – 40 MARKS</u> (All questions are compulsory)	
Q.5 A) Define: 1) Promoter	[5]
2) Reversible reaction	
3) Solution 4) Jactanes	
4) Isotopes5) Cations	

Q.5. B. Differentiate between the following	[5]
1) Positive Catalyst and Negative catalyst (rate of reaction	diffusion.
2) Neutron and Electron (mass)	
3) Exothermic and Endothermic reactions. (representation)	
4) Efflorescent and Deliquescent substances (Nature)	
5) Sodium sulphite and Sodium sulphate (chemical formula)	
Q.6. Give scientific reasons.	[5]
1) Dilute H ₂ SO ₄ is not used in the preparation of CO ₂ gas.	[2]
2) Atomic number of an element is also equal to number of electrons in	the atom of
an element.	ne atom or
3) Conc. H ₂ SO ₄ is a dehydrating agent.	
4) Hydrogen is used in hardening of oils.	
Q.7 A. Classify the following as physical or chemical changes.	[5]
1) Freezing of water	es Mille.
2) Photosynthesis	
3) Dissolving a sugar cube	
4) Digestion of food	
5) Rusting of Iron.	
B) Name the most reactive and the least reactive metal from the activity	[2]
series of metals?	[-1
C) Draw the structure of the following atom:	[3]
19	
F	
9	

Q.8 A) Observe the diagram showing the method of preparing Hydrogen in laboratory very carefully and answer the questions that follow:



conditions: [Do not write the react) In the dark	ionsj	[1
) In direct sunlight		[1
) In diffused sunlight		[1
,		1.
through molten sulphur?	bens when dry hydrogen gas is bubbled	[1
through molten sulphur? 3) Complete the following table:-		
through molten sulphur? S) Complete the following table:- Common Name	Chemical Name	[1
through molten sulphur? 3) Complete the following table:-		[1