

CLASS: XIIth SUBJECT: CHEMISTRY

DATE: DPP NO.:2

Topic:-HYDROGEN

1.	Which element forms ra) 0	naximum compound in (chemistry? c) Si	d) C			
2.	The bleaching properties of H_2O_2 are due to its: a) Reducing properties b) Oxidizing properties c) Unstable nature d) Acidic nature						
3.	Which one of the follow a) Ammonium hydroxic c) Benzene	ving is called amphoteri de	c solvent? b) Chloroform d) Water				
4.	The colour of hydrogen is						
	a) Yellow	b) Orange	c) Black	d) Colourless			
5.	The amount of H_2O_2 pr a) 2.5 g	esent in 1 L of 1.5 <i>N</i> H ₂ 0 b) 25.5 g	₂ solution is: c) 3.0 g	d) 8.0 g			
6.	H_2O_2 is prepared in the laboratory when: a) MnO_2 is added to dilute $cold\ H_2SO_4$ b) BaO_2 is added to CO_2 bubbling through cold water c) PbO_2 is added to an acidified solution of $KMnO_4$ d) Na_2O_2 is added to boiling water						
7. due	Decolourisation of acidified potassium permanganate occurs when H_2O_2 is added to it. This is e to: a) Oxidation of KMnO ₄ b) Reduction of KMnO ₄ c) Both oxidation and reduction of KMnO ₄ d) None of the above						
8.	Which hydride is neutral) H_2S	ral? b) H ₂ O	c) H ₂ Se	d) H ₂ Te			
9.	Hydrogen burns with: a) Smoky flame	b) Yellow flame	c) Blue flame	d) Pale yellow flame			

	Zeolites are extensively a) Softening of water and	nd catalyst	b) Preparing heavy water c) Increasing the				
hardness of water d) Mond's process							
11.	Deuterium, an isotope a) Radioactive	of hydrogen is: b) Non-radioactive	c) Heaviest	d) Lightest			
12.	Which is the lightest ga a) Nitrogen	as? b) Hydrogen	c) Helium	d) Oxygen			
13.	Temporary harness is a a) CaSO ₄	caused due to the preser b) $CaCl_2$	nce of: c) CaCO ₃	d) $Ca(HCO_3)_2$			
14.	H_2O_2 is: a) Diamagnetic	b) Paramagnetic	c) Ferromagnetic	d) None of these			
15.	Commercial 11.2 voluma) 1.0	ne H_2O_2 solution has a m b) 0.5	nolarity of c) 11.2	d)1.12			
16.	The life period of atom a) Only five minute b) Only one third of a se c) Only two hour d) 10 second						
17.	There is a sample of 20 a) 6.07%) vol <mark>ume o</mark> f hydrogen pe b) 3.035%	roxide solution. Calculat c) 2.509%	te its strength d) 4.045%			
18. When the same amount of zinc is treated separately with excess of sulphuric acid and excess of sodium hydroxide, the ratio of volumes of hydrogen evolved is:							
	a) 1 : 1	b)1:2	c) 2 : 1	d)9:4			
19.	 Atomic hydrogen is obtained by: a) Electrolysis of heavy water b) Reaction of water with heavy metals c) Thermal decomposition of water d) Passing silent electric discharge through hydrogen at low pressure 						
20.	Which loses weight on exposure to the atmosphere? a) Concentrated H_2SO_4 b) Solid NaOH c) A saturated solution of CO_2 d) Anhydrous sodium carbonate						