

CLASS : XIIth DATE : **SUBJECT : CHEMISTRY DPP NO. : 7**

Topic :-REDOX REACTIONS

1.	Bleaching action of SO a) Reduction	² is due to : b) Oxidation	c) Hydrolysis	d)Acidic nature			
2.	In N ₂ +2H ₂ O \rightarrow NH ₄ ⁺ + a) Oxidised	NO_2^- ; N is : b) Reduced	c) Both (a) and (b)	d)None of these			
3.	If three electrons are le a) Zero	ost by a metal ion <i>M</i> ³⁺ , i b)+6	ts final oxidation numbe c) +2	er will be : d)+4			
4.	In the reaction, NaH + a) H^- is oxidised b) Na ⁺ is reduced c) Both NaH and H ₂ O a d) None of the above	$H_2O \rightarrow NaOH + H_2:$ re reduced					
5.	Which of the following a) HNO ₃	acts as an oxidizing age b) Cl ₂	nt? c) FeCl ₃	d)All of these			
6. How many gram of I ₂ are present in a solution which requires 40 mL, of 0.11 <i>N</i> Na ₂ S ₂ O ₃ to react with it, $S_2O_3^{2^-} + I_2 \rightarrow S_4O_6^{2^-} + 2I^{-?}$							
	a) 12.7 g	b) 0.558 g	c) 25.4 g	d) 11.4 g			
7. The number of mole of $KMnO_4$ that will be needed to react with one mole of sulphite ion i acidic solution is :							
	a) 2/5	b)3/5	c) 4/5	d)1			
8. What weight of HNO ₃ is required to make 1 litre of 2 <i>N</i> solution to be used as an oxidising agent in the reaction? $3Cu + 8HNO_3 \rightarrow 3Cu(NO_3)_2 + 2NO + 4H_2O$							
	a) 63 g	b) 21 g	c) 42 g	d)84 g			
9.	The oxidation state of a) -6	two sulphur atoms in H ₂ b) —2	c) +6	d) —4			
10.	In a conjugate pair of r a) Higher ox.no.	eductant and oxidant, th b) Lower ox.no.	ne oxidant has : c) Same ox.no.	d)Either of these			

11. is :	In the equation, $H_2S + 2HNO_3 \rightarrow 2H_2O + 2NO_2 + S$. The equivalent weight of hydrogen sulphide						
	a) 17	b) 34	c) 68	d)18			
12.	In which transfer of fiv a) $MnO_4^- \rightarrow Mn^{2+}$	e electrons takes place? b) CrO₄ ^{2−} →Cr ³⁺	c) MNO ₄ ⁻ \rightarrow MnO ₂	d) $\operatorname{Cr}_2 \operatorname{O}_7^{2-} \longrightarrow 2 \operatorname{Cr}^{3+}$			
13.	Oxidation number of name a) N_3H	trogen is highest in b)N ₂ O ₄	c) NH ₂ OH	d) NH ₃			
14.	Starch gives blue colou a) KI	r with : b) I ₂	c) Cl ₂	d)None of these			
15. The number of mole of potassium salt, <i>i.e</i> , KHC ₂ O ₄ .H ₂ C ₂ O ₄ .2H ₂ O oxidised by one mole of permanganate ion is :							
	a) 2/5	b)4/5	c) 1	d)5/4			
16. When an acidified solution of ferrous ammonium sulphate is treated with KMnO ₄ solution, the ion which is oxidised is :							
	a) Fe ²⁺	b) SO ₄ ²⁻	c) NH ⁺	d) MnO ₄			
17.	Oxidation number of N in N ₃ H is :						
	a) —3	b)+3	c) Zero	d)-1/3			
18. Hydrogen peroxide in aqueous solution decomposes on warming to give oxygen according to the equation, $2H_2O_2(aq) \rightarrow 2H_2O(l) + O_2(g)$ under conditions where one mole of gas occupies 24 d m ³ , 100 cm ³ of <i>XM</i> solution of H_2O_2 produces 3 dm ³ of O_2 . Thus, <i>X</i> is :							
	a) 2.5	b)1	c) 0.5	d)0.25			
19.	CuSO ₄ and KI on mixing a) CuI ₂ + K_2SO_4	g gives : b) Cu ₂ I ₂ + K ₂ SO ₄	c) $Cu_2I_2 + K_2SO_4 + I_2$	d) $CuI_2 + K_2SO_4 + I_2$			
20.	Which metal exhibits m a) Na	nore than one oxidation s b)Mg	states? c) Al	d)Fe			