

CLASS: XIIth DATE:

SUBJECT: CHEMISTRY

DPP NO.: 8

Topic:-redox reactions

1.	Which of the following	ving oxidation state is the most common among the lanthanoides :					
	a) 4	b) 2	c) 5	d)3			
2.	13.5 g aluminium changes to Al^{3+} in solution by losing : a) 18×10^{23} electrons b) 6.023×10^{23} electrons c) 3.01×10^{23} electrons d) 9×10^{23} electrons						
3.	In CH ₂ Cl ₂ , the oxidation number of C is:						
	a) -4	b)+2	c) Zero	d)+4			
4.	In the compounds KMr a) Mn	nO ₄ a <mark>nd K₂Cr₂O₇, the h</mark> igh	hest oxidation state is of c) 0	f the element d) Cr			
				- 7 -			
5.	The oxidation state of a) -3 to $+5$	nitro <mark>gen varies from : b) 0 to +</mark> 5	c) -3 to 1	d) +3 to +5			
_							
6.	The oxidation state of l a) $+1$	nydrogen in CaH ₂ is : b) —1	c) Zero	d)+2			
	u) 1 I	5) 1	c) 2010	4) 12			
7. out	The most common oxion ermost shell is:	ne most common oxidation state of an element is —2. The number of electrons present in its					
our	a) 2	b)4	c) 6	d)8			
8.	A good indicator must possess the following characteristics: a) The colour change should be sharp b) The colour change should be clear c) It must be sensitive to the equivalent point d) All of the above						
9.	The oxidation number of Xe in XeF ₄ and XeO ₂ is						
	a) +6	b)+4	c) +1	d)+3			
10.	The oxidation number	oxidation number of arsenic in arsenate is :					

a) +5	b)+4	c) +6	d)+2
11. The rea	•		
$Ag^{+2}(aq) + Ag$			
is an example o		ion a) Diana	anantianation d) Nana of these
a) Reductio	n b) Oxidat	ion cy dispr	oportionation d) None of these
a) SO ₂ and	H ₂ S are not formed		ldition of dil. H ₂ SO ₄ , one notice that:
-	H ₂ S formed during cha	ange undergoes a redox	x change forming colloidal sulphur a
thus, no smell	of burning sulphur		
=	of rotten egg		
ujii siiicii c	77 1000011 055		
13. Which is no	ot an oxidising agent?		
a) KClO ₃	b) 0 ₂	c) C_6H_{12}	$2O_6$ d) $K_2Cr_2O_7$
	[13	
	on cobalt in $[Co(CN)_6]$		12.16
a) –6	b)+3	c) -3	d)+6
15. The most s	table oxidation s <mark>tate o</mark>	f chromium is :	
a) + 5	b) + 3	c) + 2	d) + 4
(i)Mn ²⁺ (iii) KMnO ₄	(ii) MnO ₂ (iv) K ₂ MnO ₄	ease in oxidation numbers) < (iv) < (iii) c) (ii) < ((iii)<(i)<(iv) d)(iii)>(i)>(iv)>(ii
17 What mass	of $Mn\Omega_0$ is reduced by	, 35 mL of 0.16 <i>N</i> ovali	c acid in acidic solution? The skeleto
	$O_2 + H^+ + H_2C_2O_4 \rightarrow$		acid in acidic solution. The skeleto
a) 8.7 g	b) 0.24 g	c) 0.84 g	g d) 43.5 g
a) Standard b) The tend c) The tend	oxidising agent, more l reduction potential o ency to get itself oxidi ency to lose electrons l oxidation potential o	f that species sed by that species	
19 How many	σ of KMnO , are needs	d to prepare 3.75 litro	of $0.850 N$ solution if KMnO ₄ is redu
	+ 5e \rightarrow Mn ²⁺ +4H ₂ C		or 0.000 iv solution ii Kiviii04 is feuu
a) 101 g	b) 202 g	c) 50.5 g	d) 303.0 g KMnO ₄
~, _ · · · · · · · ·	0,202 8	e, 55.0 g	, 2,000.08
20. When KMn	O ₄ is reduced with oxa	alic acid in acid mediun	n, the oxidation number of Mn chang
from:			
a) $+7$ to $+4$	b)+6 to	+4 c) +7 to	d + 2 d) +4 to +2

