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D&F-Block Elements

1.	the ions ?	ncrease in the paramagnetic property of [E2009]			
	1) $Cu^{2+} > V^{2+} > Cr^{2+} > Mn^{2+}$ 2) $Cu^{2+} < Cr^{2+} < V^{2+} < Mn^{2+}$				
	2) $Cu^{2+} < Cr^{2+} < Cr^{2+} < Mn^{2+}$				
	4) $V^{2+} < Cu^{2+} < Cr^{2+} < Mn^{2+}$				
2.		e the same calculated values of magnetic			
	moment?	(E 2007)			
	1) Ti^{2+} and V^{2+} 2) Fe^{2+} and Cu^{2}				
	3) Cr^{2+} and Fe^{2+} 4) Co^{2+} and Ti^{2-}	+			
2	Which of the following point of ions are colorlogo?	[2004 E]			
з.	Which of the following pairs of ions are colorless? 1) Ti ³⁺ , Cu ²⁺ 2) Sc ³⁺ , Zn ²⁺	[2004-E]			
	3) Co^{2+}, Fe^{3+} 4) Ni^{2+}, V^{3+}				
	5) CO , IC 4) INI , V				
4.	0 0	e moment? [2001-E]			
	1)Cu ²⁺ 2) Ti^{3+} 3)Ni ²⁺ 4)Mn ²⁺				
_					
5.					
	1)Sc ³⁺ 2) Ni ²⁺ 3) Ti ⁴⁺ 4) Zi	n ⁺²			
6.	The number of d electrons retained in Fe^{2+} (atomic number	(2003 E)			
0.	1) 3 2) 4 3) 5 4) 6	ber 26) ion is (2003-E)			
	1)5 2)7 5)5 7)0				
7.	What would happen when a solution of potassium chro	mate is treated with an excess of dilute			
	nitric acid?	(2003-E)			
	1) CrO_4^{2-} Is oxidized to +7 state of Cr				
	2) Cr^{3+} and are formed				
	3) $Cr_2O_7^2$ and are formed				
4) CrO_4^{2-} Is reduced to +3 state of Cr					
0					
8.	The IUPAC name of the coordination compound is $K_3 [F$	$e(CN)_{6}$ (2005-E)			
	1) Potassium hexacyanoferrate (II)				
	 2) Potassium hexacyanoferrate (III) 3) Potassium hexacyanoiron (II) 				
	- · · · · · · · · · · · · · · · · · · ·				
	3) Potassium hexacyanoiron (II)4) Tripotassium hexacyanoiron(II)				

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9.	The HIDAC new	me for the comple	$\nabla \mathbf{r} = \begin{bmatrix} C_0 \\ NO \end{bmatrix}$) <i>(NH</i>)]	Cl	(2006-E)			
9.		(2000-E)							
	 pentaammine nitrito-N-pen 								
	2) minto-re-pen3) pentaammine								
	-								
	4) pentaamminenitrito-N-cobalt (I) chloride								
10.	The spin only n	[KCET-2011]							
	1) 4	2) 7	3)	5	4) 6				
11.	The acidic, basi	c or amphoteric n	nature of Mn ₂ ($D_{7,}V_2O_5$ and	d CrO are resp	pectively			
	[Kerala CEE-2011								
	1) Acidic, acid	lic and basic				• •			
	2) Basic, amphoteric and acidic								
	3) Acidic, basic and amphoteric								
	4) Acidic, bas	ic and basic							
12.	[Kerala CEE-2011]								
	1) Ag^{2+} 2	$2Pb^{2+}$ 3)	Cu^{2+} 4)	Cd^{2+}	5) Fe^{2+}				
KEY									
		1) 3	2) 3	3) 2	4) 4	5) 2			
		6) 4	7) 3	8) 2	9) 1	10) 4			
		11) 3	12) 2						