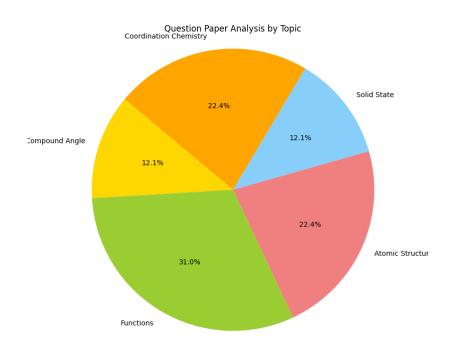
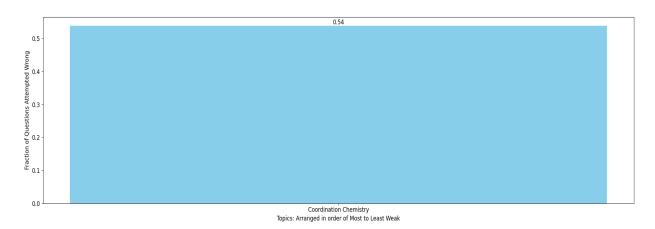
Akshat Saxena Total MLAssist - Personalised DPP

Question Paper Analysis:



Weak Topic Analysis:



Practice Questions:

Coordination Chemistry:

22.	Ti3+(aq) is violet while Ti4+(aq) is colourless because -				
	(A) There is no	 (A) There is no crystal field effect in Ti⁴⁺ (B) There energy difference between t₂g and e_g of Ti⁴⁺ is quite high and does not fall in the 			
	(B) There energ				
	visible region. (C) Ti ⁴⁺ has d ⁰ configuration.				
			to Ti3t and hance does no	at absorb any radiation	
	(D) Ti ⁴⁺ is very small in comparison to Ti ³⁺ and hance does not absorb any radiation.				
41.	Among the foll	Among the following species the one which causes the highest CFSE, Δ_0 as a ligand is :-			
	_			[J-MAIN-2014, Online	J
	(1) CN ⁻	(2) NH ₃	(3) CO	(4) F ⁻	
 A d-block element forms octahedral complex but its magnetic moment remains s 					1
	strong field or in weak field ligand. Which of the following is/are correct ? (A) Element always forms colourless compound. (B) Number of electrons in t _{2g} orbitals are higher than in e _g orbitals.				
	(C) It can have either d ³ or d ⁸ configuration.				
	(D) It can have	either d ⁷ or d ⁸ configu	uration.		
38.	Write the IUPA	Write the IUPAC name of the compound K2[Cr(NO)(CN)4(NH3)]. Spin magnetic moment of			
	the complex $\mu = 1.73$ BM. Give the structure of anion. [JEE 2003]				
26.	Among the ligands NH3,en, CN- and CO the correct order of their increasing field strength, is				
				[AIEEE-2011	J
	(1) CO < NH ₃ <	en < CN-	(2) NH ₃ ≤ en ≤ C	'N- < CO	
	(3) CN ⁻ < NH ₃	< CO < en	(4) en < CN ⁻ < N	H ₃ < CO	

