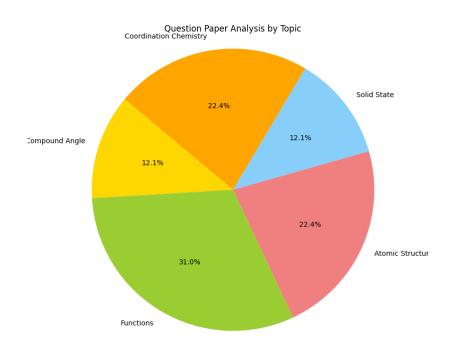
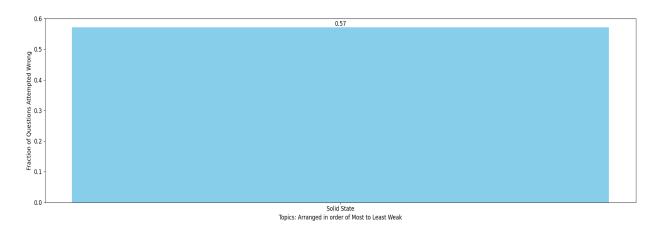
Raj Yadav Total MLAssist - Personalised DPP

Question Paper Analysis:



Weak Topic Analysis:



Practice Questions:

Solid State:

20.	An element crystallises in FCC lattice having edge length 400 pm. Calculate the maximum diameter which can be placed in interstitial sites without disturbing the structure.				
				(Ji	EE 2005]
26.	Experimentally it was found that a metal oxide has formula Mo.98O. Metal M, is present as M24				
	and M3+ in its oxide. Fraction of the metal which exists as M3+ would be:				
				[Jee-Main	n (offline)-13]
	(A) 7.01%	(B) 4.08%	(C) 6.05%	(D) 5.08	
12.	Which of the following statements is correct in the rock-salt structure of ionic compounds?				
	(A) coordination number of cation is four whereas that of anion is six.				
	(B) coordination number of cation is six whereas that of anion is four.				
	(C) coordination number of each cation and anion is four.				
	(D) coordination number of each cation and anion is six.				
17.	The type of unit cell is:				
	(A) Simple cubic	(B) BCC	(C) FCC	(D) Edge-centre	d
24.	A crystal of lead (II) sulphide has NaCl structure. In this crystal the shortest distance between				
	Pb+2 ion and S2- ion is 297 pm. What is the length of the edge of the unit cell in lead sulphide?				
	Also calculate the unit cell volume.				
	Also calculate the	anic cen voidine.		. 1	
				r. 1	