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sodium atom is

YASHWANT CLASSES

Head Office: Govind Vihar Tower, Behind Vaishali Cinema, Badlapur (W)

 Date
 : 04-07-2022

 Time
 : 00:24:00

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Ivia	1.THE SOI	LID STA	ТЕ	
Sin	gle Correct Answer Type		a) 1.40 b) 2.65	c) 1.85 d) 2.15
 2. 	In NaCl crystal each Cl ⁻ ion is surrounded by a) 4 Na ⁺ ions b) 6 Na ⁺ ions c) 1 Na ⁺ ion d) 2 Na ⁺ ions The co-ordination number of Na in Na ₂ O is: a) 6 b) 4 c) 8 d) 2 Which of the following statements is correct?	7.	A solid has a bcc structure. If the distance of closest approach between the two atoms is 1.73\AA . The edge length of the cell is : a) 200 pm b) $\sqrt{3}/\sqrt{2}$ PM c) 142.2 pm d) $\sqrt{2}$ pm	
3.	 Which of the following statements is correct? a) Silicon doped with boron is an n -type semiconductor b) Silicon doped with arsenic is a p -type semiconductor c) Metals are good conductors of electricity d) Electrical conductivity of semiconductors decreases with increasing temperature 	9.	A compound of 'A' and 'B' crystallises in a cubic lattice in which 'A' atoms occupy the lattice points at the corners of the cube. The 'B' atoms occupy the centre of each face of the cube. The probable empirical formula of the compound is a) AB_2 b) A_3B c) AB d) AB_3 Which has no rotation of symmetry?	
4.	The coordination number of Al in the crystalline state of AlCl ₃ is a) 2 b) 4 c) 6 d) 8	10	a) Hexagonal c) Cubic Schottky, defect, def	b) Orthorhombic d) Triclinic ines imperfection in the
5.	A crystal of Fe ₃ O ₄ is: a) Paramagnetic b) Diamagnetic c) Ferromagnetic d) Ferromagnetic	10.	lattice structure of a a) Solid c) Liquid	
6.	Sodium metal crystallises at room temperature in a body centred cubic lattice with a cell edge $a=4.29$ Å. The radius of		J 11 1	,