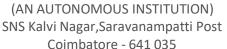
## **SNS COLLEGE OF TECHNOLOGY**







Coimbatore - 641 035

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7 Characteristics of a unit dell No of atoms per with cell: It represent no of atoms present inside the unit Cell. of. coordination number: The distance the no of nearest atoms directly surrounding a particular atom in a crystal. CN ( high) + closely packed CN ( dow) + losely packed · 3. Nearest neighbouring distince (27) The distance the the centre of two neares neighbowing along (a) half of the nearest neighbouring distance in a cypital. tomin tradius: -a=ar >> r= a/2 Packing factor (P.F) S. P.F. Total volume occupied by the atom in a unit cell (1) Total Volume of the unit cell. (V) = NO of atom present in a bunil cell X Volume of one atom Total volume of the unit call. PF: (high) + 10 sely parked, pF(low) + losely parked.