SIR CV RAMAN COACHING CENTRE –IDAPPADI-SALEM-637101
XLL – CHEMISTRY – UNIT-6-MODEL QUESTION PAPER
TOTAL MARK : 25 M
DATE : 12.05.2024

Answer any five questions (5 x 2= 10 m)

1. Calculate the number of atoms in a FCC unit cell
2. Calculate the number of atoms in a BCC unit cell
3. Calculate the number of atoms in a SC unit cell
4. Define packing efficiency
5. What are the general characteristics of solid ?
6. Draw the structure of isotropy and anisotropy with examples ?
7. Define unit cell

Answer any three questions (3 x 5= 15 m)

1. Calculate the packing efficiency of a metal crystal for BCC lattice
2. Calculate the packing efficiency of a metal crystal for FCC lattice
3. Briefly explain Schottky defect with examples
4. Briefly explain Frenkel defect with examples
5. Write short note on (i) Braggs equation (ii) classification of solids (iii)   General characteristics of Ionic crystals any three .

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**   ******STAY FOCUSED ***************

*********GOOD THINGS TAKE TIME *****************

***************ALL THE BEST **************************