

**SIR CV RAMAN COACHING CENTRE IDAPPADI, SALEM**

**MODEL SLIP TEST -XLL CHEMISTRY UNIT 1 AND 6**

**TOTAL MARK : 50 M**

**DATE : 16.06.2024**

**ANSWER ANY TEN QUESTIONS ( 10 X 2 = 20 M)**

1. What is minerals
2. What is ore
3. Application of Al
4. Application of Zn
5. Application of cu
6. Define unit cell
7. Classify the following solids  
(i) Brass (ii) diamond (iii) Iodine
8. Why ionic crystals are hard and brittle?
9. Calculate the number of atoms in a Fcc unit cell
10. Calculate the number of atoms in a Bcc unit cell
11. Calculate the number of atoms in a Sc unit cell
12. Define packing efficiency
13. Give any three characteristics of ionic crystals

**ANSWER ANY SIX QUESTIONS ( 6 X 5 = 30 M)**

14. Write a note on Frenkel defect
15. Explain Schottky defect
16. Difference between crystalline and amorphous solids
17. Explain magnetic separation
18. Explain froth flotation
19. Calculate the percentage efficiency of packing in case of body centered cubic crystal
20. Explain the principle of electrolytic refining with an example
21. Describe a method for refining nickel

**PREPARED BY**

**DR.G.THIRUMOORTHY,M.SC ,B.ED ,PH.D**

**GOVT ARTS COLLEGE SALEM -7**

**[THIRUPHYSICS1994@GMAIL.COM](mailto:THIRUPHYSICS1994@GMAIL.COM)**

**8610560810**

