**Assignment -1**

**HOLIDAY HOMEWORK**

**Class-12 CHAPTER- Solid state**

1. Draw the structure of Graphite and diamond.
2. Derive the formulae of Packing Efficiency of hcp, body – centred and simple cubic with the help of neat diagrams.
3. Solve all the numerical problems (intext and exercise) from the chapter Solid State of textbook..
4. Explain Schottky Defect, Frenkel Defect , Impurity Defect and, F- Centre with the help of neat diagram.
5. What are p-type and n- type semiconductor? Give examples.
6. Explain magnetic properties on the basis of magnetic moments with suitable diagram.