

DEPARTMENT : MECHANICAL SEMESTER : 3 SUBJECT NAME : MATERIAL SCIENCE & METALLURGY SUBJECT CODE : 3131904 FACULTY NAME: ASSIST. PROF. KEDAR H BADHEKA

ASSIGNMENT: 2 CRYSTAL GEOMETRY & CRYSTAL IMPERFECTION

- 1. Define the following terminology.
 - A. Unit cell.
 - B. Crystal Structure.
 - C. Lattice structure.
 - D. Atomic packing no.
 - E. Coordination no.
- 2. Define the concept of allotropy, polymorphism.
- 3. Define the crystallization and crystallization structure.
- 4. Define the different crystal imperfection with detail.
- 5. Define the concept of vacancy.

