

MATERIAL SCIENCE IN ENGINEERING

UNIT-4

1. What is the concept of Magnetism?
2. Explain Dia, Para and Ferro magnetism.
3. Explain Hysteresis diagram with neat sketch.
4. What is the difference between soft and hard magnetic materials?
5. Explain magnetic storage.
6. In the basis of energy band diagram explain conductor, semi conductor and insulator.
7. What do you mean by insentric and excentric semiconductor?
8. Explain p-n junction diode and transistor? What are their applications?
9. What do you understand by diffusion of solid.
10. What are superconductors? What are their applications?
11. What is super conductivity?
12. Explain Higher critical Temperature T_c .
13. Explain forward and reverse biasing of a semiconductor.