

## ASSIGNMENT: 6 ALLOTROPY OF IRON IRON-IRON EQUILLIBRIUM SYSTEM

1. Explain the Fe-C phase diagram with neat sketch and different reaction are form during the diagram justify.
2. Explain the phases form during iron- iron reaction and its effect on properties.
3. Draw the different microstructure are form in Plain carbon steel with properties and application.
4. Write a short note on wrought iron and cast iron.
5. Critical cooling curve (CCT) diagram with neat sketch.
6. Define the different four section of iron-iron phase diagram.
  - A. Eutectic
  - B. Eutectoid
  - C. Hyper eutectic
  - D. Hyper eutectoid.

