

ASSINGEMENT

MATERIAL TECHNOLOGY(ME302)

UNIT-1

- Q.1 What are different types bonds?
- Q.2 What is crystallographic?
- Q.3 Explain mechanical properties of engineering materials?
- Q.4 What is stability and metastability of metals?
- Q.5 Explain different types of steel?

UNIT-2

- Q.1 What are cooling curves?
- Q.2 Explain iron carbon diagram?
- Q.3 What is TTT diagram ?
- Q.4 What are different types of cast iron?
- Q.5 What is eutectoid solid solution?

UNIT-3

- Q.1 What is heat treatment of metals ?
- Q.2 What is surface heat treatment processes?
- Q.3 What is annealing and normalising?
- Q.4 What is optical microscope?
- Q.5 Explain phase transformation like ferrite, cementite, austenite etc?

UNIT-4

- Q.1 What are the NDT methods?
- Q.2 Explain properties steel?
- Q.3 Explain impact test?
- Q.4 Explain fatigue test?
- Q.5 What are the properties of copper and aluminium alloys?

UNIT-5

- Q.1 What are different chemical reagents ?
- Q.2 What is volumetric and gravimetric analysis?
- Q.3 What is spot test?
- Q.4 what is optical test?
- Q.5 What is calorimetric test?