

DEPARTMENT : MECHANICAL

EMESTER : :

SUBJECT NAME: MATERIAL SCIENCE & METALLURGY

SUBJECT CODE: 3131904

FACULTY NAME: ASSIST. PROF. KEDAR H BADHEKA

ASSIGNMENT: 7 TTT AND HEAT TREATMENT OF STEEL

1. Draw the Time-Temperature-Transformation diagram with detail explanation.

- 2. Define the term heat treatment? Why we are doing heat treatment on steel, application and advantages.
- 3. Classification of heat treatment processes.
- 4. Write a short note on.
 - A. Annealing.
 - B. Normalizing.
 - C. Spherodizing.
 - D. Hardening.
 - E. Tempering.
 - F. Induction hardening.
 - G. Flame hardening of steel.

