

Second Terminal Examination November 2008
B.Tech. (First Semester)
Manufacturing Processes (ETME-107)

Time 1:30 Hrs.

Max.Marks : 30

Note: Answer three questions. Question no. 1 is compulsory

- Q 1 a) What is the purpose of file and how are they classified? (2)
- b) List the equipments used in Shielded Metal Arc Welding. (2)
- c) State the purpose of edge preparation in welding. Name different types of edge preparation in butt joint with suitable diagram. (2)
- d) Which polarity is recommended in Carbon Arc welding? Why? (2)
- e) Give five applications of soldering. (2)
- Q2 a) Describe the principle of Electric Arc Welding. State the polarity preferred in D.C. welding machine of arc welding to weld comparatively thicker plates. (4+1)
- b) Describe the oxidizing, neutral and reducing flame used in Oxy-Acetylene welding with the help of suitable sketch. Give the reason why Oxidizing flame is preferred to weld Cu-Zn alloys. (3+2)
- Q.3 a) Using a neat sketch describe the submerged arc welding with its advantages and applications. (5)
- b) Describe the principle of resistance welding. Name its different types with applications. (2+3)
- Q4 Write the short notes on any two (2 x 5)
- a) Thread Cutting in Fitting shop
- b) Tungsten Inert Gas (TIG) Welding
- c) Brazing