

ASSIGNMENT: 3 METAL JOINING PROCESSES

1. List out the various Metal Joining Processes and Its Importance with Unique feature regarding Selection.
2. Write a Short note on Following.
 1. Brazing Process
 2. Soldering Process.
3. Define the term welding. Classification of Welding Processes.
4. Explain the Rightward and leftward welding technique with figure.
5. Draw the different welding position and welding Joint Symbol.
6. Write the designation of welding Electrode for E-6013.
7. Explain on three Flame generated during gas welding process with fig. and Temp details.
8. Write a short note on Oxy-Acetylene gas welding Process.
9. Write a Short note with suggested sequence: Full name of Process, Definition, Process figure, Procedure, Advantage, Dis-advantages, application. (For All Below Process)
 1. SMAW
 2. SAW
 3. GTAW
 4. GMAW
 5. Spot Welding
 6. Seam Welding
 7. Projection Welding
 8. Ultrasonic welding
 9. Electron beam welding
 10. Laser Beam Welding
10. Explain the various Welding defects with Figure, it's causes, and Remedies.
11. How to Protect the Electrode from Atmospheric contamination, Humidity etc.
12. What are the safety measures are taken during welding process.