

Lukhdhirji Engineering College, Morbi

Mechanical Engineering Department

Sem.: 5th

Subject: Mfg. Technology

Subject Code: 3151912

Assignment 2: Metal Joining Processes (CO3)

1. What do you mean by basic symbols and supplementary symbols with reference to welding symbol representation.
2. Explain in brief: Types of gas welding flame and atmospheric chemical reaction with neat sketch.
3. Discuss with neat sketch TIG welding process. Also state its advantages, disadvantages and applications.
4. Explain in brief: electrode codification of E-7018 (as per AWS)
5. List types of flux coating. Explain in brief any one.
6. Describe different welding positions with sketch as per AWS.
7. List the types of weld defects, its causes and prevention in details.

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Vision of the Department:

To deliver quality engineering education for Mechanical Engineers with Professional competency, Human values and Acceptability in the society.

Mission of the Department:

- To nurture engineers with basic and advance mechanical engineering concepts
- To impart Techno-Managerial skill in students to meet global engineering challenges

To create ethical engineers who can contribute for sustainable development of society