

BRANCH:- 6<sup>Th</sup> SEM METALLURGY

SUB:-METAL JOINING.

10 Mark

1. Describe TIG and MIG welding in details.
2. Explain the process of thermit welding in details.
3. What are the various types of resistance welding and explain any one process in details?
4. Describe the welding of Copper and its alloy briefly.
5. Discuss various brazing method of common ferrous and non-ferrous metal.
6. Describe the principle of working Gas welding and equipment use.
7. Describe submerged arc welding and neat diagram with advantage.
8. Explain the step and precaution required in metallic Arc welding with a neat diagram.
9. Write down welding defect and its remedies.
10. Briefly describe various method for testing of welding joint.

5 Mark

1. Difference between pressure welding and non-pressure welding.
2. Difference between Soldering and Brazing.
3. Difference between Resistance welding and Pressure welding.
4. Difference between Spot and butt welding.
5. Difference between TIG and MIG welding.
6. Mention the precaution required for welding of steel.
7. Mention basic step of Soldering.
8. Explain different types of flame produce in Gas welding.
9. Explain the temperature distribution in welding of steel.

2 Mark

1. What do you mean by welding?
2. What is weldability?

3. What is the rule of and jig fixture in welding operation?
4. Write down different types of flame produce in Gas welding?
5. Write down the application of arc welding.
6. What are the main equipment require for Gas welding?
7. What is metallic Arc welding?
8. Name different types of welding defect.
9. What is Gas welding?
10. Name the different types of solder?
11. What is Soldering?
12. What is Resistance welding?