



UNIT-III

S. No	Questions	BT	CO	
Part – A (Short Answer Questions)				
1	what is the inert gas used in a welding?	L1	4	
2	what is a TIG stands in a welding?	L1	4	
3	what type of electrode used in a MIG welding?	L1	4	
4	what is a submerged arc welding?	L1	4	
5	what is a friction welding?	L1	4	
6	how heat is obtained in an induction welding?	L2	4	
7	what are eddy currents in a welding?	L1	4	
8	What is an explosive welding?	L1	4	
9	what is the importance of a laser in welding?	L2	4	
10	what is the main difference between soldering and brazing?	L2	4	
Part – B (Long Answer Questions)				
11	a) Explain the process of TIG welding with a neat sketch.	L2	4	
	b) What is the importance of a laser beam in welding process?	L2	4	
12	a) How TIG welding is different from MIG welding? Explain.	L2	4	
	b) Explain the following terms with figures a) soldering b) brazing	L1	4	
13	a) Explain the advantages of a friction welding compared to arc welding.	L2	4	
	b) How HAZ influences the properties of material in welding?	L2	4	
14	a) What are the different types of friction welding? Explain.	L1	4	
	b) Briefly explain the various NDT techniques used in welding process.	L2	4	
15	a) Describe the process of induction welding with a neat figure.	L1	4	
	b) Discuss the various welding defects with sketches.	L2	4	
16	a) Explain the importance of Explosive welding process with a neat sketch.	L1	4	
	b) Describe the process of MIG welding with a neat figure.	L2	4	