

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	

