

Unit-2

S.No	Questions	BT	CO	PO
Part -A (Short Answer Questions)				
1.	Define electric welding and mention its advantages.	L1	CO2	1
2.	List the different types of electric welding processes.	L1	CO2	1
3.	What is resistance welding? State its principle.	L1	CO2	1
4.	Name the various types of resistance welding.	L1	CO2	1
5.	Explain the principle of arc welding.	L2	CO2	1
6.	Differentiate between consumable and non-consumable electrodes.	L2	CO2	1
7.	Compare AC welding and DC welding.	L2	CO2	1
8.	State Faraday's laws of electrolysis.	L2	CO2	1
9.	What is electroplating? Mention its applications.	L2	CO2	1
10.	What are electromagnetic stirrers and where are they used?	L1	CO2	1

S.No	Questions	BT	CO	PO
Part -B (Long Answer Questions)				
1.	Explain the principle of electric welding and discuss its advantages and applications.	L2	CO2	2
2.	Describe various types of electric welding processes with neat sketches.	L3	CO2	2
3.	Compare resistance welding and arc welding.	L2	CO2	2
4.	Explain the principle, construction, and operation of resistance welding with a neat diagram.	L3	CO2	2
5.	Explain spot welding with a neat sketch and list its applications.	L3	CO2	2
6.	Discuss the factors affecting the quality of resistance welding.	L4	CO2	3



7.	Explain the principle, equipment, and working of arc welding.	L2	CO2	3
8.	Describe the different types of arc welding methods.	L2	CO2	3
9.	Explain the construction and operation of a DC arc welding set.	L2	CO2	3
10.	Explain the role of electrode coating in arc welding.	L2	CO2	3