

LESSON PLAN

Discipline: Mech. Engg.	Semester: First (1 st)	Name of the Lab I/C: Er. Shubhra Kanta Nayak / Er. Prasant Kumar Mohanty
Subject: Work shop practice	No. of days/week class allotted: Six (6)	Semester from Date: 25 .10.22 to Date: 31.01..22 No. of Weeks: 15
WEEK	CLASS DAY	PRACTICAL EXPERIMENTS
1st	1 st	Demonstrate safety practice in the fitting shop
	2 nd	
	3 rd	
	4 th	
	5 th	REVIEW CLASS
	6 th	Study of different fitting tools
2nd	1 st	
	2 nd	
	3 rd	
	4 th	
	5 th	
	6 th	Cutting and fitting practice on a Square of 48 mmx 48mmx 5 mm
3rd	1 st	
	2 nd	
	3 rd	
	4 th	
	5 th	
	6 th	Angular cutting practice of 45 degree on a square of 48 mmx48mmx5mm MS flat
4th	1 st	
	2 nd	
	3 rd	
	4 th	
	5 th	
	6 th	Preparation of stud (to cut external thread) with the help of dies
5th	1 st	
	2 nd	
	3 rd	
	4 th	
	5 th	
	6 th	REVISION ALL FIVE EXPT

6th	1 st	To prepare a H fitting on MS square as per the given dimension	
	2 nd		
	3 rd		
	4 th		
	5 th		
	6 th		REVIEW CLASS
7th	1 st	To prepare male and female fitting job in MS square as per the given dimension	
	2 nd		
	3 rd		
	4 th		
	5 th		
	6 th		REVIEW CLASS
8th	1 st	Demonstrate safety Practice in sheet metal shop and study different tools for sheet metal work.	
	2 nd		
	3 rd		
	4 th		
	5 th	REVIEW CLASS	
	6 th	Making of sheet metal joint	
9th	1 st		
	2 nd		
	3 rd		REVIEW CLASS
	4 th		
	5 th		Prepare a sheet metal tray involving rolling, shearing, creasing, bending and cornering.
	6 th		
10th	1 st		
	2 nd	REVIEW CLASS	
	3 rd	Prepare a lap riveting joint	
	4 th		
	5 th		
	6 th		
11th	1 st	REVIEW CLASS	
	2 nd	Safety precaution in welding and study of different types of welding process.	
	3 rd		
	4 th		
	5 th		
	6 th	REVIEW CLASS	

12th	1 st	Study of different tools used in the welding shop and study of electric arc welding process.
	2 nd	
	3 rd	
	4 th	REVIEW CLASS
	5 th	Prepare of lap joint by electric Arc welding.
	6 th	
13th	1 st	REVIEW CLASS
	2 nd	Prepare of Tee joint by Electric arc welding process.
	3 rd	
	4 th	REVIEW CLASS
	5 th	Preparation of a single V or double V butt joint by electric arc welding
	6 th	REVIEW CLASS
14th	1 st	Gas welding practice on warn out and broken part
	2 nd	REVIEW CLASS
	3 rd	Safety precaution in turning shop and study of different parts of a lathe machine
	4 th	REVIEW CLASS
	5 th	Demonstrations of centering and turning operation
	6 th	REVIEW CLASS
15th	1 st	Plain turning operation on a cylindrical job
	2 nd	REVIEW CLASS
	3 rd	Tapper turning operation on a cylindrical job
	4 th	REVIEW CLASS
	5 th	Moving practice on round bar
	6 th	REVIEW CLASS