

PNS SCHOOL OF ENGINEERING & TECHNOLOGY MARSHAGHAI, KENDRAPARA
LESSON PLAN

Discipline :	Semester: 3RD	Name of the Teaching Faculty : Er.Sanyasi swain
Subject : PRODUCTION TECHNOLOGY	No. of Days / per week class allotted :5	Semester From date : 01 /08/2023 To Date : 30/11/2023
Week	Class Day	Topics
1st	1st	EXTRUSION : Defination & Classification
	2nd	Direct, indirect and impact extrusion process.
	3rd	Defination of rolling and its classification
	4th	Difference between cold rolling and hot rolling process.
	5th	Important question discussion
2nd	1st	Different types of rolling mills used in Rolling process.
	2nd	Revision , Question and Answer Discussion
	3rd	Defination of welding and classification of various welding
	4th	Types of fluxes used in welding
	5th	Important question discussion
3rd	1st	Oxy-acetylene welding process
	2nd	Various types of flames used in Oxy-acetylene welding
	3rd	Arc welding process
	4th	Arc welding electrodes and its Type
	5th	Important question discussion
4th	1st	Defination of Resistance welding and its classification
	2nd	Various resistance welding processes such as butt welding,
	3rd	Flash welding, projection welding and seam welding
	4th	TIG welding process
	5th	Important question discussion
5th	1st	MIG welding process
	2nd	Different welding defects with causes and remedies
	3rd	Question & answer discussion
	4th	Casting and Classification of the various Casting processes
	5th	Important question discussion
6th	1st	The procedure of Sand mould casting.
	2nd	Different types of molding sands with their composition
	3rd	Classification of different patterns and Defination of
	4th	Classification of Core
	5th	Important question discussion
7th	1st	Making of cores
	2nd	Core application
	3rd	Construction and working of cupola and crucible furnace
	4th	Die casting method
	1st	Centrifugal casting

8th	2nd	Centrifugal casting's advantages, limitation and area of
	3rd	Casting defects with their causes and remedies.
	4th	Revision
	5th	Important question discussion
9th	1st	Powder Metallurgy process and Its defination
	2nd	Advantages of powder metallurgy technology technique
	3rd	The methods of producing components by powder
	4th	Sintering
	5th	Important question discussion
10th	1st	Economics of powder metallurgy
	2nd	Press Works: blanking, piercing and trimming
	3rd	Various types of die and punch
	4th	Simple, Compound & Progressive dies
	5th	Important question discussion
11th	1st	The various advantages & disadvantages of Simple,
	2nd	Defination of jigs and fixtures
	3rd	Advantages of using jigs and fixtures
	4th	State the principle of locations
	5th	Important question discussion
12th	1st	Describe the methods of location with respect to 3-2-1
	2nd	List various types of jig and fixtures.
	3rd	Doubt clear class
	4th	Doubt clear class
	5th	Doubt clear class
13th	1st	semester question discussion
	2nd	semester question discussion
	3rd	semester question discussion
	4th	semester question discussion
	5th	semester question discussion
14th	1st	semester question discussion
	2nd	semester question discussion
	3rd	semester question discussion

Signature of HOD, Mechanical

Signature of Lecturer