

**PNS SCHOOL OF ENGINEERING & TECHNOLOGY, KENDRAPARA**

**LESSON PLAN  
SEMESTER -3RD**

**BRANCH -MECHANICAL ENGINEERING**

**SUBJECT -PRODUCTION TECHNOLOGY**

**NAME OF THE FACULTY MEMBER - Er. Sanyasi Swain**

<i>Month</i>	<i>No of Period</i>	<i>Date</i>	<i>Module /Unit</i>	<i>Theory Topic</i>	
<b>SEPTEMBER</b>	1	15.09.2022	Unit-1	Extrusion - Definition & Classify	
	2	16.09.2022		Explain Direct & indirect Extrusion	
	3	19.09.2022		Impact Extrusion	
	4	20.09.2022		Define Rolling & its Clasify	
	5	22.09.2022		HOT Rolling & Cold Rolling	
	6	23.09.2022		Different types or Rolling Mills	
	7	24.09.2022		Uses of Rolling Mills in Rolling Process	
	<b>OCTOBAR</b>	8	26.09.2022	Unit-2	Definition of Welding Process
		9	27.09.2022		Classification of Welding Process
		10	29.09.2022		Explain Fluxes used in Welding.
		11	30.09.2022		Explain Oxy-acetylene Welding.
12		10.10.2022	Types of Flames in Oxy-Acetylene Welding		
13		11.10.2022	Arc welding Process.		
14		12.10.2022	Resistance welding & its Classify		
15		13.10.2022	Butt Welding, spot Welding.		
16		14.10.2022	Flash welding, Projection welding		
17		15.10.2022	Seam welding		
18		18.10.2022	TIG welding		
19		19.10.2022	MIG welding		
20		20.10.2022	Comparison between TIG & MIG		
<b>NOVEMBER</b>		21	21.10.2022		Unit-3
	22	22.10.2022	Remedies of Cause of Welding defects		
	23	27.10.2022	Remedies of causes of Welding debech.		
	24	28.10.2022	Define Casting & it's Classify		
	25	29.10.2022	Procedure of Sand Casting		
	26	31.10.2022	Types of moulding Sands & its Properties		
	27	01.11.2022	Types of patterns.		
	28	03.11.2022	Types ch pattern Allowances.		
	29	04.11.2022	Classify Core.		
	30	05.11.2022	Working of Cupola & Crucible Furnace		
	31	10.11.2022	Die Casting Method.		
	32	11.11.2022	Centrifugal Casting		
	33	12.11.2022	True Centrifugal Casting		
<b>NOVEMBER</b>	34	14.11.2022	Unit-4	Working of Crucible Furnance	
	35	15.11.2022		Advantages, limitation of Centrifugal Casting	
	36	17.11.2022		Causes of Casting defects.	
	37	18.11.2022		Causes of Casting defects.	
	38	19.11.2022		Remedies of Casting debecks	
	39	21.11.2022		Remedies of Casting debecks	
	40	22.11.2022		Define Powder Metallurgy Process	
	41	24.11.2022		Advantages of Powder Metallurgy Process	
	42	25.11.2022		Different Methods of Producing it.	
	43	26.11.2022		Different methods & technique.	
	44	28.11.2022		Sintering Process	
	45	29.11.2022		Sintering Process	
	46	01.12.2022		Economics of powder Metallurgy	

DECEMBER	47	02.12.2022	Unit-5	Press Works & its types
	48	03.12.2022		Blanking, piercing & trimming
	49	05.12.2022		Types of die
	50	06.12.2022		Simple die & Compound die
	51	08.12.2022		Progressive Die
	52	09.12.2022		Advantages of Simple die & Compound die
	53	10.12.2022		Comparison between dies.
	54	12.12.2022	Unit-6	Define Jigs & Fixtures.
	55	13.12.2022		Advantages or using Jig & Fixture.
	56	15.12.2022		3-2-1 Principle of Location
	57	16.12.2022		State Principle of Location
	58	17.12.2022		Types of Jigs & Fixtures.
	59	19.12.2022		Types of Jigs & fixture
	60	20.12.2022		Previous years Questions & Answers.
61	22.12.2022	Previous Years Questions & Answers.		

Ramakant Swain

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**ER**