

LESSON PLAN-WINTER 2023
SWAMI VIVEKANANDA SCHOOL OF ENGINEERING & TECHNOLOGY, BBSR

DISCIPLINE-	SEMESTER- 3RD	NAME OF THE FACULTY: ER. Soumya Ranjan Kar
SUBJECT- PRODUCTION TECHNOLOGY	NO. OF CLASS ALLOTTED/ PER WEEK-5	SEM. From date: 01.08.2023 to 30.11.2023 No. of weeks:19th
WEEK	CLASS DAY	THEORY TOPIC
1ST	1.08.2023	Manufacturing or production technology, Primary shaping process
	2.08.2023	Some shaping processes, Machining Process, some Machining processes
	3.08.2023	Joining processes, Important Joining processes
	4.08.2023	Alloy, structure of solids
	5.08.2023	Ionic solids, molecular solids, covalent solids
2ND	7.08.2023	BCC, FCC, HCP and Cubic lattice structures
	9.08.2023	Iron Carbon Equilibrium Diagram, Allotropic Form
	10.08.2023	Casting Process, Gating System (Runner and Riser)
	11.08.2023	Pattern, Pattern materials, Types of Patterns
3RD	14.08.2023	Singlepiece pattern, Split Pattern, Match Plate Pattern
	16.08.2023	Cope and Drag Pattern, Gated Pattern, Pattern Allowance
	18.08.2023	Core Boxes, Core Print, Types of Core boxes
4TH	21.08.2023	Moulding Tools and Equipment used in Foundry shop
	22.08.2023	Moulding Sands, Types of Moulding Sand, Green Sand, Dry Sand
	24.08.2023	Loam sand, Facing Sand, Backing Sand, System Sand Parting Sand, Core Sand
	25.08.2023	Properties Of Moulding sand (Flowability, Porosity, collapsibility)
5TH	28.08.2023	Casting Defects (Gas porosity, Shrinkage Defects, Mold Material Defects)
	29.08.2023	Casting Defects Reasons
	30.08.2023	Do
6TH	1.09.2023	Cupola Furnace
7TH	4.09.2023	Centrifugal Casting, Die Casting
	5.09.2023	Revision Class
	8.09.2023	Welding, Types Of Welding
	9.09.2023	Gas Welding, Oxy- acetylene Welding
8TH	11.09.2023	Welding Equipment
	12.09.2023	Arc Welding, Resistance welding
	13.09.2023	Resistance welding, Upset Butt Welding, Flash Butt Welding
	14.09.2023	Monthly Test
	15.09.2023	Spot Welding, Seam welding, Projection Welding
9TH	18.09.2023	Welding Defects (Undercut, Poor Fusion, Porosity, Slag Inclusions, Cracks)
	21.09.2023	Rolling, Recrystallization, Normalizing
	22.09.2023	Hot Rolling and Cold Rolling
	23.09.2023	Types Of Rolling Mills (Two-High, Three High, Four High, Cluster Rolling)
	21.09.2023	Extrusion, Products made by Extrusion process
10TH	25.09.2023	Direct or Forward Extrusion, Indirect or Backward Extrusion
	29.09.2023	Heat treatment processes, Purpose of heat treatment
11TH	3.10.2023	TIG and MIG welding process, Difference between TIG and MIG
	5.10.2023	TIG and MIG welding process, Difference between TIG and MIG
12TH	9.10.2023	Internal Assessment
	11.10.2023	Non ferrous metals, Steels, HSS steels

	13.10.2023	Steel making processes, Bessemer Process,
13TH	17.10.2023	Press work, Blanking, Piercing, and Punching
	19.10.2023	Types of Die, Simple Die, Compound Die, Progressive die, Combination Die
14TH	28.10.2023	Punch, Types of Punches
15TH	3.11.2023	Hot Working
16TH	6.11.2023	Cold Working Process
	8.11.2023	Difference between Hot working and Cold working
	10.11.2023	Jig and Fixture
17TH	14.11.2023	Difference between Jig and Fixture
	16.11.2023	Do
	18.11.2023	Types of Flame (Natural Flame, Carburising Flame, Oxydizing Flame)
18TH	22.11.2023	Types of Flame (Natural Flame, Carburising Flame, Oxydizing Flame)
	24.11.2023	Smithing, Forging, Forgeability Forging Materials
	25.11.2023	Different types of furnaces for forging
19TH	27.11.2023	Methods of firing Smith's Forge (Open Fire)
	29.11.2023	Methods of firing Smith's Forge (Stock Fire)
	30.11.2023	Smith Forging Operations (Upsetting, Drawing Down, Setting Down, Punching)
HOD SIGN.		

H.O.D
Mechanical Engineering
S V S.E.T., Madanpur

Handwritten signature

PRINCIPAL
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