

LESSON PLAN.

3RD SEMESTER W.E.F-01/08/2023 Total Period :- 60

SUBJECT-PRODUCTION TECHNOLOGY (Sub code- TH-1) Theory periods: 4 P/WEAKLY

Teacher :- CHANDRASEKHAR DASH (PTGF, MECHANICAL ENGINEERING DEPT.)

S L N O	M O N T H	W e e k	Date	UNIT NO/P ERIOD ALLO TED	Topic to be covered as per Syllabus	Topic actually covered as per Syllabus	Short fall if any/syllabus	remarks	
1	A U G U S T	1ST	02-08-2023	7	Unit 1: Extrusion: Definition & Classification				
2			03-08-2023		Explain direct, indirect and impact extrusion process.				
3			03-08-2023		Explain direct, indirect and impact extrusion process.				
4			04-08-2023		Define rolling. Classify it				
5		04-08-2023	Differentiate between cold rolling and hot rolling process.						
6		2ND	09-08-2023		List the different types of rolling mills used in Rolling process.				
7			10-08-2023		List the different types of rolling mills used in Rolling process.				
8			11-08-2023	Unit 2: Define welding and classify various welding processes.					
9		3RD	11-08-2023	Explain fluxes used in welding.	16				
10			16-08-2023	Explain Oxy-acetylene welding process.					
11			17-08-2023	Explain Oxy-acetylene welding process.					
12			18-08-2023	Explain various types of flames used in Oxy-acetylene welding process					
13			18-08-2023	Explain various types of flames used in Oxy-acetylene welding process					
14			4TH	23-08-2023		Explain Arc welding process.			
15		24-08-2023		Explain Arc welding process.					
16		25-08-2023		Specify arc welding electrodes					
17		25-08-2023		Define resistance welding and classify it					
18		5TH	30-08-2023	Define resistance welding and classify it					
19			31-08-2023	Describe various resistance welding processes such as butt welding, spot welding					
20	1ST		01-09-2023	flash welding, projection welding and Seam Welding					
21		01-09-2023	Explain TIG and MIG welding process						
22	2ND	06-09-2023	State different welding defects with causes and remedies.						
23		07-09-2023	State different welding defects with causes and remedies.						
24		08-09-2023	UNIT-3 Define Casting and Classify the various Casting processes						
25		08-09-2023	Classify the various Casting processes						
26	3RD	13-09-2023	Explain different types of molding sands with their composition and properties						
27		14-09-2023	Explain different types of molding sands with their composition and properties						
28		15-09-2023	Classify different pattern and state various pattern allowances						
29		15-09-2023	Classify different pattern and state various pattern allowances						
30		20-09-2023	Classify core.						

31	R	4TH	21-09-2023	16	Describe construction and working of cupola and crucible furnace.			
32			22-09-2023		Describe construction and working of cupola and crucible furnace.			
33			22-09-2023		Explain die casting method			
34		5TH	27-09-2023		Explain die casting method			
35			28-09-2023		Explain centrifugal casting such as true centrifugal casting,			
36			29-09-2023		centrifuging with advantages, limitation and area of application			
37			29-09-2023		Explain various casting defects with their causes and remedies.			
38	O C T O B E R	1ST	04-10-2023	7	Explain various casting defects with their causes and remedies.			
39			05-10-2023		causes and remedies of casting defects			
40			06-10-2023		UNIT-4 Define powder metallurgy process.			
41		06-10-2023	State advantages of powder metallurgy technology technique					
42		2ND	11-10-2023	Describe the methods of producing components by powder				
43			12-10-2023	powder metallurgy technique.				
44			13-10-2023	Explain sintering.				
45		13-10-2023	Economics of powder metallurgy.					
46		3RD	18-10-2023	7	UNIT-5 Describe Press Works: blanking, piercing and trimming			
47			19-10-2023		List various types of die and punch			
48	20-10-2023		Explain simple, Compound & Progressive dies					
49	20-10-2023		Explain simple, Compound & Progressive dies					
50	4TH	25-10-2023	Describe the various advantages & disadvantages of above					
51		26-10-2023	dies	Describe the various advantages & disadvantages of above				
52		27-10-2023	Describe the various advantages & disadvantages of above					
53		27-10-2023	UNIT-6 Define jigs and fixture					
54	N O V E M B E R	1ST	01-11-2023	7	State advantages of using jigs and fixtures			
55			02-11-2023		State the principle of locations			
56			03-11-2023		Describe the methods of location with respect to 3-2-1 point location of rectangular jig			
57		2ND	08-11-2023		Describe the methods of location with respect to 3-2-1 point location of rectangular jig			
58			09-11-2023		List various types of jig and fixtures.			
59			10-11-2023		State the principle of locations			
60			10-11-2023		State the principle of locations			
	3RD	16-11-2023	State advantages of using jigs and fixtures					

Chandrasekhar Dash