DESCIPLINE: MECHANICAL ENGINEERING		SEMESTER: 3RD	NAME OF THE TEACHING FACULTY: DIBYAJYOTI PA		
SUBJECT: PRODUCTION TECHNOLOGY			SEMESTER FROM DATE 01/08/2023 TO 30/11/2023		
SL	DATE	CHAPTER	THEORY TOPIC NAME	NO OF PERIODS	
1	01-08-2023	Metal Forming Processes	Extrusion: Definition & Classification	1	
2	02-08-2023		Explain direct,& indirect extrusion process	1	
3	03-08-2023		Explain impact extrusion process	1	
4	04-08-2023		Define rolling. Classify it	1	
5	08-08-2023		Differentiate between cold rolling and hot rolling process	1	
6	09-08-2023		List the different types of rolling mills used in Rolling process	1	
7	10-08-2023		List the different types of rolling mills used in Rolling process	1	
8	11-08-2023	Welding	Define welding and classify various welding processes	1	
9	16-08-2023		Explain fluxes used in welding	1	
10	17-08-2023		Explain Oxy-acetylene welding process	1	
11	18-08-2023		Explain various types of flames used in Oxy- acetylenewelding process	1	
12	22-08-2023		Explain Arc welding process	1	
	23-08-2023		Specify arc welding electrodes	1	
3	24-08-2023		Define resistance welding and classify it	1	
4	25-08-2023		Describé resistance welding processes	1	
.5	29-08-2023		Describe resistance welding processes such as butt welding, spot welding,	1	
7	31-08-2023		Describe resistance welding processes such as, flashwelding, projection welding.	1	
-	01-09-2023		Describe resistance welding processes such as seamwelding.	1	
18			Explain TIG welding process	1	
.9	05-09-2023		Explain MIG welding process	11	
0	07-09-2023		State different welding defects.	1	
1	08-09-2023		Different welding defects with causes.	1	
22	12-09-2023		Remodies	1	
23	13-09-2023		Define Casting and Classify the various Casting	1	
24	14-09-2023	Casting	processes	1	
25	15-09-2023		Explain the procedure of Sand mould casting Explain different types of moulding sands with their		
26	21-09-2023		composition and properties	1	
27	22-09-2023		Explain different types of moulding sands with their composition and properties	1	
28	26-09-2023		Classify different pattern and state various patternallowances	1	
29	27-09-2023		Classify core.	1	

			Describe construction and working of cupola furnace	1
	28-09-2023		Describe constituents	1
	03-10-2023		Describe construction and working of crucible furnace	11
		Casting Castin Casting Casting Casting Casting Casting Casting Casting Casting	Explain die casting method	1
	04-10-2023 05-10-2023		Explain centrifugal casting such as true centrifugal casting,	1
-	06-10-2023		centrifuging with advantages, limitation and area of application	1
-	10-10-2023		Explain various casting defects with their causes andremedies	1
-	11-10-2023		Explain various casting defects with their causes andremedies	1
6			Define powder metallurgy process	1
37	12-10-2023		State advantages of powder metallurgy	1
88	13-10-2023		technologytechnique	
39	17-10-2023		Describe the methods of producing components bypowder metallurgy technique	1
40	18-10-2023		Describe the methods of producing components bypowder metallurgy technique	1
	19-10-2023		Explain sintering	1
41	31-10-2023		Economics of powder metallurgy	1
42			Economics of powder metallurgy	1
43	01-11-2023		Describe Press Works: blanking, piercing and trimming	1
44			Describe Press Works trimming	1
45	03-11-2023		List various types of die	1
46	07-11-2023 08-11-2023		List various types of punch	1
47	-	Press Work	Explain simple dies	1
48	09-11-2023 10-11-2023	1 1033 00011	Explain Compound dies	1
49	15-11-2023		Explain Progressive dies	1
50	16-11-2023		Describe the various advantages & disadvantages of above dies	1
	17 11 2022		Define jigs and fixtures	1
52	17-11-2023		State advantages of using jigs and fixtures	1
53	TOTAL CONTROL CONTROL OF		State the principle of locations	1
54			Describe the methods of location with respect to 3-2-	1
-	24-11-2023		3-2-1 point location of rectangular jig	1
56			List various types of jig	1
5			List various types of fixtures	1
-	9 30-11-2023		Previous Year Question Paper Discussion	1
	30-11-2023	1	Total No of Classes	59

Prepared by

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