

**LESSON PLAN-2022**  
**SWAMI VI VEKANANDA SCHOOL OF ENGINEERING & TECHNOLOGY, BBSR**

DISCIPLINE- MECH	SEMESTER- 3RD	NAME OF THE FACULTY: B.K.Jena
SUBJECT- PRODUCTION TECHNOLOGY	NO. OF CLASS ALLOTTED/ PER WEEK-5	SEM. From date: 15.9.2022 to 22.12.2022 No. of weeks:15TH
WEEK	CLASS DAY	THEORY TOPIC
1ST	15.09.2022	Metal Forming Processes
	17.09.2022	Extrusion: Definition & Classification,
2ND	19.09.2022	Explain direct, indirect and impact extrusion process, Define
	21.09.2022	Differentiate between cold rolling and hot rolling process
	23.09.2022	List the different types of rolling mills used in rolling process.
3RD	26.09.2022	DO
	28.09.2022	ASSIGNMENT
4TH	30.09.2022	Welding: Define welding and classify various welding process
	6.10.2022	Explain fluxes used in welding. Explain Oxy-acetylene welding
5TH	7.10.2022	Explain various types of flames used in Oxy-acetylene welding
	11.10.2022	Explain Arc welding process. Specify arc welding process.
	13.10.2022	Define resistance welding and classify it.
	15.10.2022	Describe various resistance welding process such as butt welding,
6TH	17.10.2022	flash welding, projection welding and seam welding
	19.10.2022	Explain TIG and MIG welding process
	21.10.2022	DO
7TH	26.10.2022	ASSIGNMENT
	29.10.2022	Casting: Define casting and classify the various casting processes
8TH	1.11.2022	Explain the procedure of sand mould casting
	3.11.2022	Explain different types of molding sands with their composition
	5.11.2022	Classify different pattern and state various pattern allowances
9TH	7.11.2022	Classify core.
	11.11.2022	Describe construction and working of cupola and crucible
10TH	15.11.2022	Explain die casting method.
	18.11.2022	Explain centrifugal casting such as true centrifugal casting with advantages, limitation and application
11TH	21.11.2022	Explain various casting defects with their causes and remedies
	23.11.2022	DO
	25.11.2022	ASSIGNMENT
12TH	29.11.2022	Powder Metallurgy: Define powder metallurgy process.State advantage of powder
	1.12.2022	Describe the methods of producing components by metallurgy
	3.12.2022	Explain sintering, Economics powder metallurgy.
13TH	5.12.2022	DO
	7.12.2022	ASSIGNMENT
	9.12.2022	Press work: Describe Press Works: blanking, piercing and
	12.12.2022	List various types of die and punch
	14.12.2022	Explain simple , compound and progressive dies
	15.12.2022	Describe the various advantages and disadvantages of above dies.

14TH	17.12.2022	Copper-Tin, Babbit, phosperous bronze, brass, Copper- Nickel
15TH	19.12.2022	Perdominating elements of lead alloys, Zinc alloys and Nickel
	20.12.2022	Low alloy materials like p-91, p-22 for power plants and other
	22.12.2022	High alloy materials like stainless, steel grades of duplex, super
HOD SIGN. PRINCIPAL SIGN.		