TH I Production Technology 3rd Sem.

NAME OF FACULTY:Mukesh kumar Dalei THEORY-4P/WEEK

Sl No.	week	Day	Topics to becovered
1	1st	1st day	Introduction to Metal Forming Processes
		2nd day	Extrusion: Definition &Classification
		3rd day	Direct and Indirect Extrusion process
		4th day	Explain Impact extrusion process
Sl No.	**week**	**Day**	**Topics to be covered**
2	2nd	1st day	Define Rolling and Classification
		2nd day	Differentiate between cold rolling and hot rolling process
		3rd day	List the different types of rolling mills used in Rolling process
		4th day	Doubt Clearance and Revision
Sl No.	**week**	**Day**	**Topics tobecovered**
3	3rd	1st day	Introduction to Welding
		2nd day	Define Welding and classify various welding processes
		3rd day	Fluxesusedinwelding.
		4th day	Oxy-acetyleneweldingprocess
Sl No.	**week**	**Day**	**Topicstobecovered**
4	4th	1st day	TypesofflamesusedinOxy-acetylenewelding process
		2nd day	Arcweldingprocess
		3rd day	Difference betweenDCandACArcwelding process
		4th day	SpecificationofArcweldingelectrodes
Sl No.	**week**	**Day**	**Topicstobecovered**
5	5th	1st day	DefineResistanceweldingandClassification
		2nd day	ButtweldingandSpotweldingProcess
		3rd day	FlashweldingandProjectionwelding Process
		4th day	Seamweldingwithadvantagesandapplications
Sl No.	**week**	**Day**	**Topicstobecovered**
6	6th	1st day	TIGWeldingprocesswithadvantagesandapplications
		2nd day	MIGWeldingprocesswithadvantagesandapplications
		3rd day	StatedifferentWeldingdefectswithcauses

		4th day	Remediesofweldingdefects
Sl No.	**week**	**Day**	**Topicstobecovered**
7	7th	1st day	DefineCastingandClassifythevariousCastingprocesses.
		2nd day	ExplaintheprocedureofSandmouldcasting
		3rd day	DifferencebetweenGreensandandDrysandmouldcasting
		4th day	Explain different types of molding sands with their composition and properties
Sl No.	**week**	**Day**	**Topicstobecovered**
8	8th	1st day	ClassifydifferentpatternandStatevariouspatternallowances
		2nd day	ClassificationofCores
		3rd day	Describeconstructionandworkingofcupolafurnace
		4th day	Describeconstructionandworkingofcruciblefurnace
Sl No.	**week**	**Day**	**Topicstobecovered**
9	9th	1st day	Diecastingmethodwithadvantages,applicationandlimitations
		2nd day	True centrifugal casting with advantages,limitation and area of application
		3rd day	Centrifugalcastingwithadvantages,limitationandareaofapplication
		4th day	Variouscastingdefectswiththeircausesandremedies
Sl No.	**week**	**Day**	**Topicstobecovered**
10	10th	1st day	Definepowdermetallurgyprocess
		2nd day	Stateadvantagesofpowdermetallurgytechnologytechnique
		3rd day	Describethemethodsofproducingcomponentsbypowdermetallurgy technique
		4th day	Sinteringprocessofpowdermetallurgy
Sl No.	**week**	**Day**	**Topicstobecovered**
11	11th	1st day	Economicsofpowdermetallurgy
		2nd day	IntroductiontoPressWork
		3rd day	BlankingandPiercingoperationofPresswork
		4th day	TrimmingoperationofPresswork

Sl No.	week	Day	Topicstobecovered
12	12th	1st day	Listvarioustypesofdiesandpunch
		2nd day	ExplainSimpleandCompoundDies
		3rd day	Variousadvantagesanddisadvantagesofabovedies
		4th day	Definejigsandfixtures
Sl No.	**week**	**Day**	**Topicstobecovered**
13	13th	1st day	Stateadvantagesofusingjigsandfixtures
		2nd day	Statetheprincipleoflocations
		3rd day	Describe the methods of location with respect to 3-2-1 point location of rectangular jig
		4th day	Describe the methods of location with respect to 3-2-1 point location of rectangular jig
Sl No.	**week**	**Day**	**Topicstobecovered**
14	14th	1st day	ListvarioustypesofFixtures
		2nd day	ListvarioustypesofJigs
		3rd day	LimitationofJigsandFixtures
		4th day	ProggressiveandCompoundDies
Sl No.	**week**	**Day**	**Topicstobecovered**
15	15th	1st day	DoubtclearanceandRevision
		2nd day	DoubtclearanceandRevision
		3rd day	DoubtclearanceandRevision
		4th day	DoubtclearanceandRevision

TEACHING FACULTY

HOD,MECHANICAL