

Discipline:- Mechanical Engg.	Semester:- 3rd	Name of the Teaching Faculty:- Er. RAMAKANTA NAYAK
Subject:- PRODUCTION TECHNOLOGY	No. Of days/week class allotted - 05	Semester from: 15.09.2022 To: 22.12.2022
		No. Of weeks:- 15
Week	No. Of Period	Theory Topics
15.09.2022 To 17.09.2022	1 st	Extrusion: Definition & Classification
	2 nd	Vishwakarma Puja
19.09.2022 To 24.09.2022	1 st	Explain direct, indirect and impact extrusion process
	2 nd	Define rolling. Classify it
	3 rd	Differentiate between cold rolling and hot rolling process
	4 th	List the different types of rolling mills used in Rolling process.
	5 th	Define welding and classify various welding processes.
26.09.2022 To 01.10.2022	1 st	Explain fluxes used in welding
	2 nd	Explain Oxy-acetylene welding process
	3 rd	Explain various types of flames used in Oxy-acetylene welding process
	4 th	Explain Arc welding process
	5 th	Specify arc welding electrodes. And Define resistance welding and classify
03.10.2022 To 08.10.2022	DURGA PUJA HOLIDAYS	
10.10.2022 To 15.10.2022	1 st	Describe various resistance welding processes such as butt welding, spot welding, flash welding, projection welding and seam welding.
	2 nd	Explain TIG and MIG welding process
	3 rd	State different welding defects with causes and remedies.
	4 th	Define Casting and Classify the various Casting processes.
	5 th	Explain the procedure of Sand mould casting
17.10.2022 To 22.10.2022	1 st	Explain different types of molding sands with their composition and process
	2 nd	Classify different pattern and state various pattern allowances.
	3 rd	Explain centrifugal casting such as true centrifugal casting

	4 th	centrifuging with advantages, limitation and area of application. Explain various casting defects with their causes and remedies.
	5 th	. Define powder metallurgy process, State advantages of powder metallurgy technology technique

Week	No. Of period	Theory Topics
24.10.2022 To 29.10.2022	1 st	Diwali
	2 nd	Describe the methods of producing components by powder metallurgy technique
	3 rd	Explain sintering
	4 th	Economics of powder metallurgy.
	5 th	Revision the chapter
31.10.2022 To 05.11.2022	1 st	Press Work definition
	2 nd	Press Work working principle
	3 rd	Blanking, piercing and trimming
	4 th	List various types of die
	5 th	List various types of punch
07.11.2022 To 12.11.2022	1 st	Last Monday Of Kartika
	2 nd	Kartika Purnima
	3 rd	Explain simple die with diagram
	4 th	Explain compound die with diagram
	5 th	Explain progressive die with diagram
14.11.2022 To 19.11.2022	1 st	Describe the various advantages of various above die
	2 nd	Describe the various disadvantages of various above die
	3 rd	Prathamastami
	4 th	Revision the chapter
	5 th	Discuss short question on above chapter
21.11.2022 To 26.11.2022	1 st	Discuss long question on above chapter
	2 nd	Define jigs and fixtures
	3 rd	Working principle of jigs and fixtures
	4 th	State advantages of using jigs
	5 th	State advantages of using fixtures
28.11.2022 To 3.12.2022	1 st	State the principle of locations
	2 nd	Working principle and diagram locations
	3 rd	Describe the various methods of location
	4 th	3-2-1 location define
	5 th	3-2-1 location working principle

Week	No.of period	Theory Topics
5.12.2022 To 10.12.2022	1 st	Revision on location concept
	2 nd	List various types of jig
	3 rd	List various types of jig diagram
	4 th	Last Thursday of Margasira
	5 th	rectangular jig location define
12.12.2022 To 17.12.2022	1 st	rectangular jig location principle
	2 nd	List various types of fixtures.
	3 rd	List various types of fixtures diagram
	4 th	Revision
	5 th	Revision
19.12.2022 To 24.12.2022	1 st	Revision
	2 nd	Discuss the long type of theory previous year asked question
	3 rd	Discuss short type of previous year asked question
	4 th	Discuss previous year asked question