ACADEMIC SESSION: 2022-23(SUMMER -2023)

DISCIPLINE:MECHANICAL ENGINEERING			Semester:4TH	Name of the teaching faculty: ASHISH MEHER	
SUBJECT: Theory of Machine			Semester from date:14.02.2023 to 23.05.2023		
SL NO	DATE	CHAPTER	THEORY TOPIC NAME		OF PER ODS
1.	15.02.2023		Simple mechanism		
2.	16.02.2023		Link ,kinematic chain		1
3.	17.02.2023		mechanism, machine		1
4.	20.02.2023	6: 1	Inversion, four bar link mechanism		-
5.	22.02.2023	Simple	Lower pair and higher pair		1
6.	23.02.2023	mechanism	Cam and followers	pan	1
7.	24.02.2023		Friction		1
8. 9.	27.02.2023 01.03.2023	1		and screw for square thread	1
10.		1	Friction in screw jack Bearing and its classifi		1
11.		-			1
12.		-	Torque transmission in	eedle roller& ball bearings.	1
13.		Friction			1
14.		-	Flat collar bearing of si	n conical pivot bearings.	1
15.	-	-	Flat collar bearing of m		1
16.	15.03.2023	-		or single and multiple clutches	1
17.	16.03.2023		Working of simple frict	tional brakes	1
18.	17.03.2023			type of dynamometer	1
19.			Concept of power tran	smission, Type of drives, belt, gear	1
20.			cross)with and without		1
21.	22.03.2023		tension.	centrifugal tension and initial	1
22. 23.	23.03.2023		Power transmitted by t		1
		Power Transmission	stress for open and cro tension.	ess and width for given permissible essed belt considering centrifugal	1
24.	27.03.2023		V-belts and V-belts pul		1
25.	29.03.2023	¥	Concept of crowning	-	1
26.	31.03.2023		Gear drives and its terr	0.	1
27.	03.04.2023		Gear trains, working pr train	inciple of simple, compound gear	1
28.	05.04.2023		reverted and epicyclic	gear trains	1
29.	06.04.2023		Function of governor		1
30.	10.04.2023		Classification of govern	or	1
31.	12.04.2023	Working of Watt governer		1	
32.	13.04.2023	Governors and Flywheel	Working Porter govern		1
33.	17.04.2023	- 1 2	Working of Proel gove		1
34. 35.	19.04.2023		Working of Hartnell go		1
JJ.	20.04.2023		Conceptual explanation	of sensitivity, stability and	1

			isochronisms.	
36.	21.04.2023		Function of flywheel	1
37.	24.04.2023		Comparison between flywheel &governor	1
38.	26.04.2023		Fluctuation of energy and coefficient of fluctuation of	1
38.	20.04.2023	4	speed	
39.	27.04.2023		Balancing of Machine	1
40.	28.04.2023		Concept of static and dynamic balancing	1
			Static balancing of rotating parts	1
41.				1
42.	03.05.2023		Static balancing of rotating parts	
43.	04.05.2023	Balancing of	Principles of balancing of reciprocating parts	1
		Machine	Principles of balancing of reciprocating parts	1
44.	05.05.2023		Principles of balancing of	-
			reciprocating parts	
45.	08.05.2023	,	Causes and effect of unbalance	1
46.			Difference between static and dynamic balancing	1
47.			Vibration of machine parts	1
			Introduction to Vibration and related terms	1
48.			Amplitude, time period and frequency, cycle	1
49.		Vibration of	·	1
50.		māchine parts	Classification of vibration.	1
51.			Basic concept of natural, forced & damped vibration	1
52.	19.05.2023		Torsional and Longitudinal vibration.	
53.	22.05.2023		Torsional and Longitudinal vibration.	1

Prepaired By
Ashsih Meher
Lect (MECHANICAL)
G P SONEPUR