LESSON PLAN SUMMER-2022

SUBJECT- TOM SEM-4th BRANCH- MECHANICAL ENGG.

SL NO	DATE	CHAPTER	TOPIC NAME	NO OF PERIODS
1	16.3.22	Simple mechanism CHAP-01	Introduction to syallbus. Link ,kinematic chain, mechanism, machine	1
2	18.3.22		Inversion, four bar link mechanism and its inversion	1
3	19.3.22		problem practice	1
4	21.3.22		Lower pair and higher pair	1
5	23.3.22		Cam and followers	1
6	25.3.22		Cam and followers continue	1
7	26.3.22	Friction CHAP-2	Friction between nut and screw for square thread, screw jack	1
8	28.3.22		Bearing and its classification, Description of roller	1
9	30.3.22		Needle roller& ball bearings.	1
10	2.4.22		Torque transmission in flat pivot& conical pivot bearings	1
11	4.4.22		Flat collar bearing of single and multiple types	1
12	6.4.22		Torque transmission for single and multiple clutches	1
13	8.4.22		Working of simple frictional brakes.	1
14	9.4.22		Working of Absorption type of dynamometer	1
15	11.4.2	Power Transmission CHAP-3	Concept of power transmissionType of drives, belt, gear	1
16	13.4.22		Computation of velocity ratio.	1
17	15.4.22		Length of belts (open and cross)with and without slip	1
18	16.4.22		Ratio of belt tensions, centrifugal tension and initial tension.	1
19	18.4.22		Power transmitted by the belt	1
20	20.4.22		V-belts and V-belts pulleys	1
21	22.4.22		Concept of crowning of pulleys.	1
22	23.4.22		Gear drives and its terminology.	1
23	25.4.22		Gear trains, working principle of simple, compound, reverted	1
24	27.4.22	Governors and Flywheel CHAP-4	Function of governor	1
25	29.4.22		Classification of governor	1
26	30.4.22		Working of Watt & Porter	1
27	2.5.22		Working of Proel and Hartnell governors.	1
28	4.5.22		Conceptual explanation of sensitivity, stability and isochronisms	1
29	6.5.22		Function of flywheel.	1
30	7.5.22		Comparison between flywheel &governor.	1
31	9.5.22		Fluctuation of energy and coefficient of fluctuation of speed.	1
32	11.5.22		problem practice	1
33	13.5.22	Balancing of Machine CHAP-5	Concept of static and dynamic balancing.	1
34	14.5.22		CONTINUE	1
35	16.5.22		Static balancing of rotating parts.	1
36	18.5.22		CONTINUE	1
37	20.5.22		CONTINUE	1
38	21.5.22		Principles of balancing of reciprocating parts	1
39	23.5.22		CONTINUE	1
40	25.5.22		CONTINUE	1
41	27.5.22		Causes and effect of unbalance.	1
42	28.5.22		Difference between static and dynamic balancing	1

43	1.6.22		CONTINUE	1
44	3.6.22		problem practice	1
45	4.6.22		problem practice	1
46	6.6.22	**Vibration of machine parts CHAP-6**	Introduction to Vibration and related terms	1
47	8.6.22		Classification of vibration.	1
48	10.6.22		CONTINUE	1
49	13.622		Basic concept of natural, forced & damped vibration.	1
50	14.6.22		CONTINUE	1
51	**16.6.22**		Torsional and Longitudinal vibration	1
52	**17.6.22**		Causes & remedies of vibration.	1
53	20.6.22		REVISION	1
54	21.6.22		REVISION	1
55	23.6.22		REVISION	1
56	24.6.22		REVISION	1
57	27.6.22		REVISION	1
58	28.6.22		REVISION	1
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