

LESSON PLAN SUMMER -2021-22

SUBJECT- AUTOMOBILE ENGG & HYBRID VEHICLES. SEM- 6th BRANCH- MECHANICAL ENGG.				
SL NO	DATE	CHAPTER	TOPIC NAME	NO OF PERIODS
1	16.03.22	CHAP-01 INTRODUCTION & TRANSMISSION SYSTEM	Introduction to Automobiles there need and classification	1
2	17.03.22		Layout of automobile chassiswith major components (Line diagram)	1
3	21.03.24		Clutch System there Need, Types (Single & Multiple)	1
4	23.03.22		Explain Clutch Working principle with sketch.	1
5	24.03.22		Describe Purpose of gear box, Construction and working of a 4 speed gear	1
6	26.03.22		Cont...	1
7	28.03.22		Cont...	1
8	30.03.22		Concept of automatic gear changing mechanisms	1
9	31.03.22		Introduction to Propeller shaf Constructional features	1
10	02.04.22		Cont...	1
11	04.04.22		Introduction to Differential Need, Types and Working principle	1
12	06.04.22		Cont....	1
13	09.04.22	CHAP-2 BRAKING SYSTEM	Introduction to Braking systems in automobiles there Need and types	1
14	11.04.22		Explain Mechanical Brake	1
15	13.04.22		Explain Hydraulic Brake	1
16	16.04.22		Explain Air Brake, Air assisted Hydraulic Brake	1
17	18.04.22		Explain Vacuum Brake	1
18	20.04.22	CHAP-3 IGNITION & SUSPENSION SYSTEM	Describe the Battery ignition and Magnet ignition system	1
19	21.04.22			1
20	25.04.22		Describe Spark plugs: Purpose, construction and specifications	1
21	27.04.22		Cont..	1
22	28.04.22		Explain common ignition troubles and its remedies	1
23	30.04.22		Cont..	1
24	02.05.22		Describe conventional suspension system for Rear and Front axle	1
25	04.05.22		Cont..	1
26	05.05.22		Describe independent suspension system used in cars	1
27	07.05.22		Cont..	1
28	09.05.22		Constructional features and working of a telescopic shock absorber	1
29	11.05.22	Cont..	1	
30	12.05.22	CHAPTER-4 COOLING AND LUBRICATION	Introduction to Engine cooling there Need and classification	1
31	14.05.22		Cont..	1
32	16.05.22		Cont.....	1
33	18.05.22		Describe the Function of lubrication	1
34	19.05.22		Describe the lubrication System of I.C. Engine	1
35	21.05.22	CHAPTER-5 FUEL SYSTEM:	Describe Air fuel ratio	1
36	23.05.22		escribe Carburetion process for Petrol Engine	1
37	25.05.22		Describe Multipoint fuel injection system for Petrol Engine	1
38	26.05.22		Describe the working principle of fuel injection system Diesel engine	1
39	28.05.22	CHAPTER-6 ELECTRIC AND HYBRID VEHICLES	Describe the working principle of Fuel feed pump and Fuel Injector for Di	1
40	30.05.22		Introduction, Social and Environmental importance of Hybrid and Electric	1
41	01.06.22		Description of Electric Vehicles, operational advantages	1
42	02.06.22		present performance and applications of Electric Vehicles	1
43	04.06.22		Battery for Electric Vehicles, Battery types and fuel cells	1
44	06.06.25		Hybrid vehicles, Types of Hybrid and Electric Vehicles	1
45	08.06.22		Describe Drive train	1
46	09.06.22		Explain Solar powered vehicles	1

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