

LESSON PLAN AS PER SCHEMATIC W.O.F 10.03.2022 (Scheme No. of weeks - 14)
 (No. of days/week) Check allotted topics TO BE COVERED

WEEK PERIOD	CLASS DATE	TOPICS
MARCH 1st week (2P)	11-03-2022 12-03-2022	Introduction to A.E.H.V. Introduction and Transmission system.
2nd week (2P)	14-03-2022 15-03-2022	1.1 Automobile: definition, need 1.1 Classification: Layout of Automobile chassis with Major components completed
3rd week (4P)	21-03-2022 22-03-2022 25-03-2022 26-03-2022	1.2 Clutch System started. Need types, working principle 1.3 Gear box: purpose, construction 1.4 Concept of automotive gear changing mechanism.
4th week (2P)	28-03-2022 29-03-2022	1.5 Propeller shaft, construction 1.6 Differential started. Need, types and working principles.
5th week (1P)	02-04-2022	2.0 Introduction to Braking system 2.1 Braking System need & types
6th week (4P)	04-04-2022 05-04-2022 08-04-2022 09-04-2022	2.2 Mechanical brake 2.3 Hydraulic braking 2.4 Air braking system 2.5 Air assisted hydraulic brake
7th week (2P)	11-04-2022 12-04-2022 16-04-2022	2.6 Vacuum brake. 3.0 Ignition and suspension system started. 3.1 Battery Ignition Magnetic Ignition system. description

HYBRID VEHICLES (TH-2) FROM: 10-03-2022 - 10-06-2022

6TH SEMESTER
(44 Periods)
WEEK PERIOD

NAME OF THE CLASS DAY

FACULTY: GOPAL CHANDRA MISRA (PTAF) (19)

TOPICS TO BE COVERED

WEEK	DATE	TOPIC
8th week (4P)	18-04-2022	3.2 Spark plug purpose.
	19-04-2022	Spark plug construction.
	22-04-2022	3.3 Common ignition troubles and remedies.
	23-04-2022	3.4 Description of suspension system of rear and front axle. 3.5 Independent suspension system used in cars. Coil spring and tension base.
9th week (4P)	25-04-2022	3.5 Coil spring and tension bar details explained.
	26-04-2022	3.6. Telescope type shock absorber. Shock absorber started features, working described. details.
	29-04-2022	
	30-04-2022	
10th week (3P)	02-05-2022	4.1 Engine Cooling: need and classification.
	06-05-2022	4.2 Describe defects of cooling remedies measures.
	07-05-2022	4.3 Describe the function of lubrication, details.
	09-05-2022	
	10-05-2022	
11th week (4P)	13-05-2022	4.3 Revision details on engine cooling & lubrication.
	14-05-2022	4.4 Description of lubrication system of I.C engine. I.C engine lubrication details.
	17-05-2022	
	20-05-2022	
	21-05-2022	
12th week (4P)	23-05-2022	5.1 fuel system started, Description of A/B fuel ratio.
	24-05-2022	5.2 petrol engine carburetion process -
	27-05-2022	

(44 periods)

(Semester - 2022)

TOPICS TO BE COVERED

WEEK PERIOD	CLASS DAY	
13TH WEEK (3P)	28-05-2022	5.6 working principle of fuel pump & fuel injector for diesel engine
	31-05-2022	
14TH WEEK (4P)	06-06-2022	6.1. importance of hybrid and electric vehicles.
	07-06-2022	6.3. Battery for electric vehicles,, Battery types, types
	10-06-2022	6.4. parallel Series Configuration 6.6. Solar power vehicles.
		6.7. Revision and important question & answers discussion.