## **LESSION PLAN**

Discipe: Mech cal En	hani	Semeste : 6 <sup>th</sup> Sem Mech	wante of faculty. Diswajit Wilshra
Sub: A	AE	No of Days	
&HV		week class allotted :- 4	Engelow, 2004 as to
No of		No Of	Topic to be taught
Week	- 1	Class	
-	F	Planned	
<i>i</i>		<b>1</b> ×t	Automobiles: Definition, need and classification
1 **	a processor	2 <sup>nd</sup>	Layout of automobile chassis with major components (1)
	-	310	
		4 <sup>th</sup>	Multiplate clutch
		1 64	Gear Box: Purpose of gear box. Construction and word in
2nd			373(6))
	-	2 <sup>nd</sup>	Automatic transmission system
		3rd	Concept of automatic gear changing mechanisms
	-	4th	Propeller snaft: Constructional features
3rd	-	1st	Differential mechanism
5"	-	2 <sup>nd</sup>	Rear axles: functions
		3rd	Visualisation of transmission system through animated videos: E-learning
Allectors	+	4 <sup>th</sup>	Braking system: introduction, classification
	-	1st	Mechanical braking system
4th	-	2 <sup>nd</sup>	Hydraulic brakes
			Air brakes
	-	4 <sup>th</sup>	Vacuum brakes: Bleeding of brakes
		1 <sup>st</sup>	Class Test-I
5 <sup>th</sup>			Ignition system : Introduction
		3rd	Ignition coil, spark plug
		4 <sup>th</sup>	Battery ignition system
1	1	1 <sup>st</sup>   1	Magneto ignition system
6 <sup>th</sup>	2		Diffrence between battery & magneto ignition system
0	3	3rd C	Common ignition troubles & remedies
	41		Suspension system: Introduction
	1:		Coil springs
	2"		eaf springs
7 <sup>th</sup>	3"	The state of the s	elescopic shock absorber
	411		
	1 st		ngine cooling: Need & classification
-		-	Description of cooling system: Air cooling, oil cooling system
th	2 <sup>nd</sup>		refects of cooling & their remedial measures
_	3 <sup>rd</sup>		unctions of lubricating system, lubricant grades
	4th		ubricating system of automobile
th	<b>1</b> st	Di	ifferent types of engine cooling system

	2116	Cooling & lubricating system animated videos: E-learning
	310	Fuel system functions
	414	Carburretion
10 <sup>sh</sup>	1 **	Air fuel ratio: Octane & cetane number
	2110	Solex carburettor
	3"	Ignition timing: firing order of 4- cyl inline engine
	4"	Fuel injection system: multi point injection system
11*	1"	Working of fuel injector
	2108	Fuel feed pump
	311	Introduction, Social and Environmental importance of Hybrid and Electric
		Vehicles
	4"	Description of Electric Vehicles, operational advantages,
	1 =1	present performance and applications of Electric Vehicles
	2 <sup>nd</sup>	Battery for Electric Vehicles,
	318	Battery types and fuel cells
12"	4th	Types of Hybrid and Electric Vehicles
	1 st	Parallel, Series, Parallel and Series configurations
	2 <sup>nd</sup>	Drive train
13 <sup>th</sup>	3rd	Solar powered vehicles
	4 <sup>th</sup>	Advantages of electric vehicles
	<b>1</b> st	Comparison of conventional versus EV
	2 <sup>nd</sup>	Challenge present performance and applications of Electric Vehicles s to EN
14 <sup>th</sup>		& Hybrid vehicles
	3 <sup>rd</sup>	Social and Environmental importance of Hybrid and Electric Vehicles
To a constant	4 <sup>th</sup>	Quiz test: previous year question answer
	1 <sup>st</sup>	Previous year question answer
-	2 <sup>nd</sup>	Previous year question answer
15 <sup>th</sup>	3 <sup>rd</sup>	
	4 <sup>th</sup>	

(Faculty & H.O.D.)