

Discipline :
Mechanical
Subject :
Automobile Engg.
& Hyd. Vehicle

Semester : 6th
No. of day/
week classes : 6

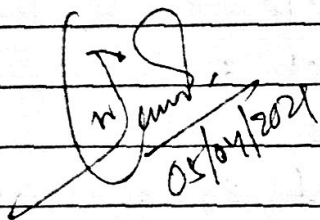
Name of the faculty :
ER. Suresh K. Chandram
23
Semester from : 05/04/21

Week	Class day	Theory topics
	1 st	Introduction
5 th Apr to	2 nd 3 rd	Defination, need & classification Layout of chassis with component
10 th Apr	4 th	manufacture's Specification of auto engines.
	5 th	classification of engines loading on working principle
	6 th	What is clutch, need & Types.
12 th Apr to	1 st 2 nd	Working Principle of clutch with sketch.
17 th Apr.	3 rd	What is Gear Box, Defination Purpose of Gear Box, Construction
	4 th 5 th	— Maha Vissuba Sankranti — Working of 4 speed gear Box.
	5 th	Concept of automatic gear changing mechanism.
	6 th	Defination of Propeller shaft.
19 th Apr to	1 st 2 nd 3 rd	Construction of Propeller shaft. Defination of Differential gear — Ram Navami —
24 th Apr	4 th	Types & working Principle of Differential.
	5 th	Braking System, need & Types.
	6 th	Types of brake with example
	1 st	Mechanical Brake
26 th Apr to	2 nd 3 rd	Hydraulic Brake Air Brake.
1 st may	4 th	Air assisted hydraulic brake.
	5 th	Vacuum brake
	6 th	Wiring diagram of horn-circuit

Week	Class day	Theory Topics
3rd many to	1st	Lighting circuit, cut-out circuit.
8th many	2nd	Voltage current regulator circuit.
	3rd	Flasher circuit (with sketch)
	4th	State the common ignition troubles.
	5th	remedies for common ignition
	6th	Purpose, construction & specification of spark plug.
10th many to	1st	Describe the conventional suspension system for rear & front axle.
15th many	2nd	Description of independent suspension system used in cars.
	3rd	construction & working of a telescope shock absorber.
	4th	State tyre specifications.
	5th	explain about causes & remedies of tyre wear.
	6th	Id - U - Fira -
	1st	Define what is cooling
17th many to	2nd	- Definition of lubrication & uses of it.
22nd many	3rd	- Doubt clearing
	4th	Describe what is engine & need of engine
	5th	Describe necessity of engine cooling
	6th	- Define types of cooling system

Week	Class day	Theory Topics
24th many to	1st	Define defects of cooling
	2nd	Define cooling remedial measures.
	3rd	Describe about lubrication.
24th many	4th	Describe types of lubrication.
	5th	Define the function of lubrication
	6th	Define the role of engine.
	1st	Define types of engine
31st many to	2nd	Define the lubrication system of IC engine
5th June	3rd	Define Fuel system
	4th	Define ignition system.
	5th	Define Fuel & ignition system for petrol engine.
	6th	Define the role of carburetor.
	1st	Define Air fuel ratio.
5th June to	2nd	Describe ignition system
12th June	3rd	Describe types of ignition system.
	4th	Sabitoi - Amabasya -
	5th	Describe about Battery ignition system.
	6th	Describe about magnet ignition system
14th June to	1st	Describe about injection system.
19th June	2nd	- Raja Sankranti -
	3rd	Define about multi point fuel injection system.
	4th	Define Fuel & ignition system for Diesel engine.
	5th	working Principle of Fuel Feed Pump.

Week	Class Day	Theory topics
21st June	1st	Working Principle of Fuel injector
to	2nd	Working Principle of Fuel Filter.
26th June	3rd	Describe the Fuel injection System.
	4th	Define types of engine
	5th	Working Principle of Fuel injection system
	6th	Working Principle of Fuel injection system For multi cylinder engine
28th June	1st	Discuss short type question ^{For} sem
to	2nd	Discuss Long type question ^{For} sem
30th June	3rd	— Revision —



 05/04/2021

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