

Discipline : Automobile	Semester:5th	Name of the Teaching Faculty : KUMAR GYANADEEP
Subject : VEHICLE MAINTENANCE	No. of Days / per week class allotted :	Semester From date : 09.12.2019 To Date :31.03.2020 No. of Weeks : 14
Week	Class Day	Theory / Practical Topics
	1st	Introduction to vehicle maintenance
3rd Dec	2nd	Auto workshop layout and equipments
	3rd	General safety precautions and procedures
	4th	Functions of general equipments and tools
	1st	Various tools used in garage and service station
4th Dec	2nd	Layout with equipments required for repairing of
	3rd	two wheelers and three wheelers.
	4th	Layout of modern workshop specialised job work
	1st	Necessity of maintenance
1st Jan	2nd	Preventive maintenance
	3rd	Scheduled maintenance
	4th	Breakdown maintenance
	1st	General maintenance scheduled like daily, weekly
2nd Jan	2nd	monthly, early and periodic maintenance
	3rd	General servicing procedure
	4th	Workshop records-history sheet, work order
	1st	Trouble, cause and remedies of engine
3rd Jan	2nd	Trouble, cause and remedies of cooling system
	3rd	Trouble, cause and remedies of lubrication system
	4th	Tuning of engine
	1st	Fuel feed system
4th Jan	2nd	Carburettor dismantling procedure
	3rd	Multi point fuel injection system
	4th	Lubricating system service
	1st	Checking and repairing of clutch plate
1st Feb	2nd	Adjustment of clutch
	3rd	Trouble, cause, remedies of clutch system
	4th	contd.
	1st	Checking of gear box, layshaft and main shaft
2nd Feb	2nd	Trouble, cause, remedies of gearbox system
	3rd	contd.
	4th	
	1st	Checking and adjustment of differential
3rd Feb	2nd	Backlash in ring gear

	3rd	Trouble,cause ,remedies of differential
	4th	contd.
	1st	Inspection and repair of master cylinder
4th Feb	2nd	Adjustment of hydraulic brake
	3rd	Bleeding of hydraulic brake
	4th	Trouble,cause ,remedies of brake system
	1st	Trouble,cause ,remedies of suspension system
1st Mar	2nd	Procedure of Wheel alignment
	3rd	Trouble,cause ,remedies of steering system
	4th	
	1st	Body repairing,denting tools
2nd Mar	2nd	Repainting procedure
	3rd	Painting defects
	4th	Adjustment of doors and locks
	1st	
3rd Mar	2nd	Location and layout of service station
	3rd	Equipments of service station
	4th	Services carried out in service station and its procedure
	1st	
4th Mar	2nd	Types of servicing of motor vehicle
	3rd	Cleaning procedure of engine
	4th	Precautions to minimise carbon
		Decarbonising procedure