

<b>GOVT. POLYTECHNIC BOLANGIR</b>			<b>LESSON PLAN</b>		
<b>Discipline : AUTOMOBILE</b>		<b>Semester: 6TH</b>		<b>Name of the Teaching Faculty : SNEHASIS SAHOO</b>	
<b>Subject : VEHICLE MAINTENANCE &amp; MOTOR VEHICLE ACT</b>		<b>No. of Days / per week class allotted :</b>		<b>Semester From date : 10.03.2022 To Date : 10.06.2022</b>	
				<b>No. of Weesks : 13</b>	
<b>Week</b>	<b>Class Day</b>	<b>Topics</b>			
<b>2ND MAR</b>	1st	Introduction to tools and equipments , List of tools , List of equipments			
	2nd	Spanners or wrenches Double ended open jaw spanner(fix spanner) Double ended ring spanner Combination spanner Socket or box spanner			
	3rd	Screw driver , Types of screw and screw drivers, Torque wrenches , Pliers , Allen keys Hammers			
	4th	Chisels , Files, Hacksaws, Wire brush and scraper			
<b>3RD MAR</b>	1st	Taps and dies Drill bits Reamers Measuring tools Valve spring compressors Piston ring compressor Oil filter wrenches			
	2nd	Puller Coil spring compressor set Tyre levers Tool box C-clamp Pneumatic tools Drilling machine			
	3rd	Grinder Jack – (mechanically operated jack and hydraulic jack) Lubrication equipments Tyre changer Wheel balancer			
	4th	Wheel aligner Brake bleeding equipments			
<b>4TH MAR</b>	1st	High pressure compressor, High pressure car wash machine			
	2nd	Engine analyser			
	3rd	Hydraulic press, Spark plug tester and cleaner machine			
	4th	Injector tester and cleaner machine Battery charging and testing machine			

<b>1ST APRIL</b>	1st	VEHICLE MAINTENANCE - Introduction Need of maintenance
	2nd	Types of maintenance systems Breakdown maintenance
	3rd	Preventive maintenance , Predictive maintenance
	4th	Total productive maintenance
<b>2ND APRIL</b>	1st	SERVICE STATION - Service station and types
	2nd	Private service stations Company's authorized service stations
	3rd	Company's dealer service stations , Criteria for service station
	4th	Workshop layout , Important elements in workshop layout
<b>3RD APRIL</b>	1st	Workshop documents and records , Job card and its importance
	2nd	SERVICE, REPAIR AND OVERHAUL
	3rd	Troubles, Causes & remedies in engine
	4th	Troubles, Causes & remedies in fuel system
<b>4TH APRIL</b>	1st	Troubles, Causes & remedies in cooling system
	2nd	Troubles, Causes & remedies in lubrication system
	3rd	Troubles, Causes & remedies in MPFI Engine
	4th	Service, repair and overhaul of engine
<b>1ST MAY</b>	1st	Service, repair and overhaul of engine
	2nd	Service, repair and overhaul of chassis and body
	3rd	Service, repair and overhaul of chassis and body
	4th	Service, repair and overhaul of chassis and body
<b>2ND MAY</b>	1st	Internal Assement
	2nd	Question Discussion
	3rd	MOTOR VECHILES ACT- Introduction
	4th	Short explanation on different sections like 3,4,5,19,39,49,50,51,128,129,130,133

<b>3RD MAY</b>	1st	Short explanation on different sections like 3,4,5,19,39,49,50,51,128,129,130,133
	2nd	Short explanation on different sections like 3,4,5,19,39,49,50,51,128,129,130,133
	3rd	Driving license Necessity for driving license
	4th	Restrictions on granting of learner's licenses for certain vehicles
<b>4TH MAY</b>	1st	Grant of learner's licenses
	2nd	Grant of Permanent driving licenses
	3rd	Documents required for driving licenses
	4th	Certification of Registration
<b>1ST JUNE</b>	1st	Necessity of registration of vehicle
	2nd	Registration –where to be made
	3rd	Procedure for registration
	4th	Condition for refusal of registration
<b>2ND JUNE</b>	1st	Temporary registration
	2nd	Permanent registration
	3rd	Renewal of registration certificate
	4th	Revisison