

GOVT. POLYTECHNIC BOLANGIR

LESSON PLAN

Discipline : AUTOMOBILE	Semester:5TH	Name of the Teaching Faculty : KUMAR GYANDEEP	
Object : AUTOMOTIVE TRANSMISSION	No. of Days / per week class allotted : 4	Semester From date : OCT-1-2021 To Date : JAN-8-2022 No. of Weeks : 13	
Week	Class Day	Topics	
1ST OCT	1st	Introduction to transmission	
	2nd	Introduction to clutch	
	3rd	Requirement ,types of clutch	
	4th	operation of clutch	
2ND OCT	1st	Working Principle of clutch	
	2nd	single plate clutch	
	3rd	multiplate clutch	
	4th	Troubleshooting of clutch	
3RD OCT	1st	Introduction to gear box	
	2nd	Function Of Gearbox	
	3rd	Types of gearbox	
	4th	Discussion about Transmission Layout	
4TH OCT	1st	Working principle of Sliding mesh gear box	
	2nd	contd...	
	3rd	Working principle of constant mesh gear box	
	4th	contd...	
1ST NOV	1st	Working principle of synchromesh gear box	
	2nd	Epicyclic gear box	
	3rd	Gear mechanism	
	4th	contd...	

2ND NOV	1st	Definition and types of propeller shaft
	2nd	contd.
	3rd	Function of Propeller shaft
	4th	contd.
3RD NOV	1st	What is a Universal joint
	2nd	contd.
	3rd	Intoduction about Sliding joint
	4th	contd.
4TH NOV	1st	Introduction of Differential
	2nd	Various types of differentials used in automobiles
	3rd	Inspection of Differential
	4th	contd.
1ST DEC	1st	Constructional details of differential
	2nd	contd.
	3rd	Troubleshooting. Of a Differential
	4th	contd.
2ND DEC	1st	Introduction to Rear axle
	2nd	Types of rearaxle
	3rd	Working of rear axle
	4th	contd.
3RD DEC	1st	Working principle of Hotchkiss drive
	2nd	contd.
	3rd	Working principle of torque tube drive
	4th	contd.
4TH DEC	1st	Power transmission system of motor cycle
	2nd	Power transmission system of Moped
	3rd	Power transmission system of Bullet
	4th	Power transmission system of Scooter

1ST JAN	1st	Power for propulsion resistance for vehicle
	2nd	Traction Tractive effort
	3rd	Acceleration,Gradability,Drawbar pull
	4th	Question Answer Discussion