SYLLABUS BREAK-UP (SESSION 2015-16)

SUBJECT CODE : ME206 SUBJECT NAME : AUTOMOBILE ENGG

FACULTY NAME : MANOJ KUMAR CHITTORA DESIGNATION : SR. LECT. (MECH.)

PACOLITINAIVIE . MANOJ KUMAR CHITTORA			DLO	GNATION . SK. LECT.	(WILCHI.)
TOPIC	PRACTICAL CLASSES REQUIRED TO COVER TOPIC	MONTHS IN WHICH THE TOPIC WILL BE COVERED	ACTUAL DATE OF COVERING OF THE TOPIC	REASON FOR NOT COVERING THE TOPIC IN DUE TIME	E-CONTENTS PROVIDED TO STUDENTS RELATED TO TOPIC
CLASSIFICATION,CHASSIS &BODY OF VEHICLE	2	AUG			
LAYOUT &VARIOUS TERMINOLOGY USED,DIMENSION OF VEHICLE	2	AUG			
FUNCTION & CLASSIFICATION OF CLUTCH, REQUIREMENT OF GOOD	1	SEP			
CONSTRUCTION &WORKING OF VARIOUS TYPE OF CLUTCHES	3	SEP			
CONSTRUCTION OF CLUTCH PLATE	1	SEP			
FUNCTION & CLASSIFICATION OF GEAR BOX	1	SEP			
WORKING OF VARIOUS TYPE OF GEAR BOX	4	OCT			
CONSTUCTION & WORKING OF SELECTOR & INTERLOCKING MECHANISM	1	OCT			
CONSTUCTION & WORKING OF PROPELLER SHAFT, UNIVERSAL	2	OCT			
CONSTRUCTION &WORKING OF DIFFERENTIAL	1	OCT			
CONSTRUCTION & WORKING OF REAR AXLE	2	OCT			
PURPOSE , PRINCIPLE, CLASSIFICATION OF BRAKES	1	OCT			
CONSTRUCTION & WORKING OF MECHANICAL & HYDRAULIC BRAKE,HAND	3	NOV			
CONSTRUCTION & WORKING OF MASTER & WHEEL CYLINDER,BLEEDING OF	3	NOV			
BRAKE FLUID & ITS PROPERTIES,BRAKE TROUBLE &ITS REMEDIES	2	DEC			
TYPE & CONSTRUCTION OF FRONT AXLE,FRONT WHEEL STUB AXLE	2	DEC			
PURPOSE & REQUIREMENT OF STEERING SYSTEM	1	JAN			
GENERAL ARRANGEMENT OF STEERING SYSTEM,STEERING MECHANISM	2	JAN			
CONSTRUCTION & WORKING OF COMPONENTS OF STEERING SYSTEM	3	JAN			
FUNCTION & TYPE OF SUSPENSION SYSTEM WITH DESCRIPTION	3	FAB			
FUNCTION, CONSTRUCTION & WORKING OF TELESCOPIC TYPE SHOCK ABSORBER	1	FAB			
SPRUNG &UNSPRUNG WEIGHT	1	FAB			
TYPE & REQUIREMENT OF WHEELS WITH DESCRIPTION	2	FAB			
TYPE & SPECIFICATION OF TYRES	1	FAB			

TYRE MAINTENAINCE, TYRE TROUBLE &REPAIR	2	FAB				
CONSTRUCTION &CLASSIFICATION OF FRAME WIH DESCRIPTION	2	MAR				
TYPE &CONSTRUCTION OF BODY	1	MAR				
MAIN FEATURES OF BODY	1	MAR				
BODY ALINGMENT	1	MAR				
BUMPER - FUNCTION &TYPE	2	MAR				
TOTAL	54	Remaining classes for revision of syllabus.				

SYLLABUS BREAK-UP (SESSION 2015-16)

SUBJECT CODE : ME303 SUBJECT NAME : THERMAL ENGG &HEAT TRANSFER

FACULTY NAME : MANOJ KUMAR CHITTORA DESIGNATION : SR. LECT.(MECH.)

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TOPIC	LECTURE PRACTICAL CLASSES REQUIRED TO COVER TOPIC	MONTHS IN WHICH THE TOPIC WILL BE COVERED	DATE OF	REASON FOR NOT COVERING THE TOPIC IN DUE TIME	E-CONTENTS PROVIDED TO STUDENTS RELATED TO TOPIC
STEAN TABLE & MOLLIER CHART	3	AUG			
FUNCTION & TYPE OF STEAM NOZZLE	1	SEP			
ANALYSIS OF STEAM NOZZLE	2	SEP			
NUMERICAL PROBLEM	2	SEP			
ELEMENTS OF CONDENCING PLANT	1	SEP			
FUNCTION & TYPE OF STEAM CONDENSER	1	SEP			
VARIOUS TYPE OF JET CONDENSER	2	OCT			
VARIOUS TYPE OF SURFACE CONDENSER	2	OCT			
SOURCES OF AIR LEAKAGE &ITS EFFECT,CONDENSER & VACUUME	2	OCT			
NUMERICAL PROBLEM	1	OCT			
TYPE & DESCRIPTION OF AIR PUMPS	2	NOV			
TYPE & DESCRIPTION OF COLLING TOWER	2	NOV			
MODES OF HEAT TRANSFER	2	NOV			
CONDUCTION -FOURIER LAW,HEAT CONDUCTION THROUGH PLANE	2	DEC			
RADIAL HEAT CONDUCTION THROUGH THROUGH SPHER & CYLINDER	2	DEC			
OVERALL HEAT TRANSFER COEFFICIENT, CRITICAL INSULATION	1	JAN			
HEAT CONDUCTION BY FINS	2	JAN			
TYPE OF CONVECTION	2	JAN			
TYPE &ANALYSIS OF HEAT EXCHANGER	3	JAN			
FUNCTION &CLASSIFICATION OF STEAM TURBINE	2	FAB			
PRINCIPLE &OPERATION OF IMPULSE & REACTION TURBINE	2	FAB			
COMPOUNDING OF STEAM TURBINE	1	FAB			
ANALYSIS OFIMPULSE TURBINE,VELOCITY DIAGRAMME &EFF.	2	FAB			
ANALYSIS OF REACTION TURBINE, VELOCITY DIAGRAMME &EFF.	2	FAB			

BLEEDING, REHEATING, LUBRICATION OF STEAM TURBINE	1	FAB				
BLADE MATERIAL &ITS DEFECT	1	MAR				
NUMERICAL PROBLEM	3	MAR				
TERMINOLOGY USED IN RADIATION	2	MAR				
BLACK BODY, GRAY BODY, WHITE BODY	1	MAR				
LAWS OF RADIATION,SHAPE FACTOR,RADIOCITY	2	MAR				
TOTAL	54	Remaining classes for revision of syllabus.				

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SUBJECT CODE : ME206 SUBJECT NAME : AUTOMOBILE ENGG

FACULTY NAME : MANOJ KUMAR CHITTORA DESIGNATION : SR. LECT (MECH)

	DESIGNATION : SK. LECT (MECH)				
TOPIC	/ PRACTICAL		ACTUAL	REASON FOR NOT	E-CONTENTS
	CLASSES	WHICH THE	DATE OF	COVERING THE TOPIC	PROVIDED TO
	REQUIRED	TOPIC WILL	COVERING	IN DUE TIME	STUDENTS RELATED
	TO COVER	BE	OF THE		TO TOPIC
	TOPIC	COVERED	TOPIC		
Charles of a consentional level to five bid.	4	ALIC			
Study of conventional layout of vehicle.	1	AUG			
Ctudu of various tools used in Auto weeks on	4	CED			
Study of various tools used in Auto workshop	1	SEP			
Study of clutch (single plate & multi plate).	4	SEP	ļ		
Study of Clutch (single plate & multi plate).	1	SEP			
Otodo of all discount of an extent or a discount		007	ļ		
Study of sliding mesh, constant mesh and synchronous mesh gear boxes	2	OCT			
		1101/			
Study of Propeller shafts, Universal joints,	2	NOV			
Sliding joint, differential and rear axle.					
Study of mechanical and hydraulic braking	2	DEC			
system and bleeding of hydraulic braking					
Study of Steering system of four wheeler.	1	JAN			
Study and inspection of suspension system of	1	JAN			
light and heavy vehicles.					
Study of frame & body of vehicle.	2	FAB			
Visit to near by auto workshop and service	2	MAR			
station.					
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TOTAL	15	EACH PRACTICAL CLASS WILL BE OF TWO HOURS.			

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FACULTY NAME : MANOJ KUMAR CHITTORA DESIGNATION : SR.LECT. (MECH)

PACOLITINAME . MANOS ROMAR CHITTORA		DESIGNATION : SK.LECT. (MECH)			
TOPIC	PRACTICAL	MONTHS IN		REASON FOR NOT	E-CONTENTS
	CLASSES REQUIRED	WHICH THE	DATE OF COVERING	COVERING THE TOPIC	PROVIDED TO
	TO COVER	TOPIC WILL BE	OF THE	IN DUE TIME	STUDENTS RELATED TO TOPIC
	TOPIC	COVERED	TOPIC		TO TOPIC
	10110	COVERED	10110		
Study of steam condensers, Jet condenser	4	SEP			
Study of disum solidonosis, sol solidonosi	·	02.			
Study of steam condensers, surface	4	OCT			
condenser	·	00.			
Study of air pump	4	NOV			
Crasy of all parties	·				
Study of cooling towers	4	DEC			
	·				
Study of steam turbine	5	FAB			
Study of heat transfer equipments available in	4	MAR			
the laboratory.	·				

TOTAL	25	EACH PRACTICAL CLASS WILL BE OF TWO HOURS.			