

III Semester (Auto) Scheme of Teaching and Examination

SL. NO	Sub Code	Subject Title	Teaching Dept	Teaching Hours/week		Examination			
				Theory	Practical	Duration	I.A Max. Marks	Theory/ Practical Max. Marks	Total Marks
1	10MAT31	Mathematics –III	Auto	4		03	25	100	125
2	10AU32A/ 10AU32B	Material Science and Metallurgy /Mechanical Measurements and Metrology	Auto	4		03	25	100	125
3	10AU33	Basic Thermodynamics	Auto	4		03	25	100	125
4	10AU34	Mechanics of Materials	Auto	4		03	25	100	125
5	10AU35	Manufacturing Process-I	Auto	4		03	25	100	125
6	10AU36A/ 10AU36B	Computer Aided M/c Drawing / Fluid Mechanics	Auto	1 4	3	03	25	100	125
7	10AUL37A/ 10AUL37B	Metallography and Material testing / Mechanical Measurements & Metrology Lab	Auto		3	03	25	50	75
8	10AUL38A/ 10AUL38B	Foundry and Forging Laboratory/Machine Shop	Auto		3	03	25	50	75
				24	10		200	700	900

IV Semester (Auto) Scheme of Teaching and Examination

SL. NO	Sub Code	Subject Code	Teaching Dept	Teaching Hours/week		Examination			
				Theory	Practical	Duration	I.A Max. Marks	Theory/ Practical Max. Marks	Total Marks
1	10MAT41	Mathematics-IV	Auto	4		03	25	100	125
2	10AU42A/ 10AU42B	Material Science and Metallurgy /Mechanical Measurements and Metrology	Auto	4		03	25	100	125
3	10AU43	Applied Thermodynamics	Auto	4		03	25	100	125
4	10AU44	Kinematics of Machines	Auto	4		03	25	100	125
5	10AU45	Manufacturing Process-II	Auto	4		03	25	100	125
6	10AU46A/ 10AU46B	Computer Aided M/c Drawing/ Fluid Mechanics	Auto	1 4	3	03	25	100	125
7	10AUL47A/ 10AUL47B	Metallography and Material testing / Mechanical Measurements & Metrology Lab	Auto		3	03	25	50	75
8	10AUL48A/ 10AUL48B	Foundry and Forging Laboratory/Machine Shop	Auto		3	03	25	50	75
				24	10		200	700	900

V Semester (Auto)

SL. NO	Sub Code	Subject Title	Teaching Dept	Teaching Hours/week		Examination			
				Theory	Practical	Duration	I.A Max. Marks	Theory/ Practical Max. Marks	Total Marks
1	10AU51	Management and Entrepreneurship	Auto	4		03	25	100	125
2	10AU52	Design of Machines Elements-I	Auto	4		03	25	100	125
3	10AU53	Automotive Engines and Components	Auto	4		03	25	100	125
4	10AU54	Dynamics of machines	Auto	4		03	25	100	125
5	10AU55	Auxiliary Systems of Automotive Engines	Auto	4		03	25	100	125
6	10AU56	Automotive Fuels & Combustion	Auto	4		03	25	100	125
7	10AUL57	Automobile Engg Lab- I	Auto		3	03	25	50	75
8	10AUL58	Fuel Testing and Fluid Mechanics Lab	Auto		3	03	25	50	75
				24	06		200	700	900

VI Semester (Auto)

SL. NO	Sub Code	Subject Code	Teaching Dept	Teaching Hours/week		Examination			
				Theory	Practical	Duration	I.A Max. Marks	Theory/ Practical Max. Marks	Total Marks
1	10AU61	Automotive Chassis and Suspension	Auto	4		03	25	100	125
2	10AU62	Automotive Transmission	Auto	4		03	25	100	125
3	10AU63	Design of Machines Elements-II	Auto	4		03	25	100	125
4	10AU64	Auto Electrical & Electronic Systems	Auto	4		03	25	100	125
5	10AU65	Heat and Mass Transfer	Auto	4		03	25	100	125
6	10AU66x	Elective –A	Auto	4		03	25	100	125
7	10AUL67	Automobile Engg Lab – II	Auto		3	03	25	50	75
8	10AUL68	Engine Testing lab	Auto		3	03	25	50	75
				24	06		200	700	900

Elective –I (Group – A)

SL No	Sub Code	Subject Title
1	10AU661	CAD/CAM/CAE
2	10AU662	Automotive Air Conditioning
3	10AU663	Composite Materials
4	10AU664	Modeling and FEA
5	10AU665	Statistical Quality Control and Reliability

VII Semester (Auto)

				Teaching Hours/week	Examination

SL. NO	Sub Code	Subject Code	Teaching Dept	Theory	Practical	Duration	I.A Max. Marks	Theory/ Practical Max. Marks	Total Marks
1	10AU71	Operations Research	Auto	4		03	25	100	125
2	10AU72	Vehicle Body Engineering and Safety	Auto	4		03	25	100	125
3	10AU73	Mechanical Vibration & Vehicle Dynamics	Auto	4		03	25	100	125
4	10AU74	Automotive Air Pollution and Control	Auto	4		03	25	100	125
5	10AU75x	Elective – B	Auto	4		03	25	100	125
6	10AU76x	Elective – C	Auto	4		03	25	100	125
7	10AUL77	Service and Reconditioning Lab	Auto		3	03	25	50	75
8	10AUL78	CAD/CAM/CAE Lab	Auto		3	03	25	50	75
				24	06		200	700	900

Elective - II (Group – B)			Elective – III (Group – C)		
Sl. No.	Sub. Code	Subject Title	Sl. No.	Sub. Code	Subject Title
1	10AU751	Vehicle Transport Management	1	10AU761	Non Destructive Testing
2	10AU752	Two and Three Wheeled Vehicles	2	10AU762	Engg. Economics & Automotive Cost Estimation
3	10AU753	Non Traditional Machining	3	10AU763	Advanced IC Engines
4	10AU754	Computer Integrated Manufacturing	4	10AU764	Engineering System Design
5	10AU755	Total Quality Management	5	10AU765	Robotics

VIII Semester (Auto)

SL.NO	Sub Code	Subject Title	Teaching Dept	Teaching Hours/week		Examination			
				Theory	Practical	Duration	I.A Max. Marks	Theory/ Practical Max. Marks	Total Marks
1	10AU81	Earth Moving Equipments and Tractors	Auto	4		03	25	100	125
2	10AU82	Autotronics	Auto	4		03	25	100	125
3	10AU83x	Elective –D	Auto	4		03	25	100	125
4	10AU84x	Elective –E	Auto	4		03	25	100	125
5	10AU85	Project Work	Auto		6	03	100	100	200
6	10AU86	Seminar on Current Topic	Auto		3		50		50
				16	9	15	250	500	750

*** Students shall register for one subject in each group of Elective.**

Elective - IV (Group – D)			Elective – V (Group – E)		
Sl. No.	Sub. Code	Subject Title	Sl. No.	Sub. Code	Subject Title
1	10AU831	Tribology	1	10AU841	Hybrid Vehicles
2	10AU832	Simulation of IC Engine Processes	2	10AU842	Control Engineering
3	10AU833	Hydraulics and Pneumatics	3	10AU843	Nano Technology
4	10AU834	Alternative Energy Sources for Automobiles	4	10AU844	Maintenance Engineering