

**7. STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN
AUTOMOBILE ENGINEERING**

FIRST SEMESTER

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
1.1*	Communication Skills - I	3	-	2	25	25	100	3	50	2	200
1.2*	Applied Mathematics - I	5	-	-	50	-	100	3	-	-	150
1.3*	Applied Physics – I	4	-	2	25	25	100	3	50	3	200
1.4*	Applied Chemistry – I	3	-	2	25	25	100	3	50	3	200
1.5*	Basics of Information Technology	-	-	4	-	50	-	-	100	3	150
1.6*	Engineering Drawing - I	-	-	6	-	50	100	3	25 (Viva)	2	175
1.7*	General Workshop Practice - I	-	-	6	-	50	-	-	+100	3	150
	# Student Centred Activities	-	-	3	-	25	-	-	-	-	25
	Total	15	-	25	125	250	500	-	375	-	1250

* Common with other diploma programmes

+ Includes 25 marks for Viva-voce

Student Centred Activities will comprise of co-curricular activities like extension lectures, library studies, games, hobby clubs e.g. photography, painting, singing, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, Civil Defence/Disaster Management activities etc.

SECOND SEMESTER (AUTOMOBILE ENGINEERING)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
2.1*	Communication Skills – II	3	-	2	25	25	100	3	50	2	200
2.2*	Applied Mathematics - II	5	-	-	50	-	100	3	-	-	150
2.3*	Applied Physics – II	4	-	2	25	25	100	3	50	3	200
2.4*	Applied Chemistry – II	3	-	2	25	25	100	3	50	3	200
2.5**	Applied Mechanics	3	-	2	25	25	100	3	50	3	200
2.6*	Engineering Drawing - II	-	-	6	-	50	100	3	25 (Viva)	2	175
2.7*	General Workshop Practice - II	-	-	6	-	50	-	-	+100	3	150
# Student Centred Activities		-	-	2	-	25	-	-	-	-	25
Total		18	-	22	150	225	600	-	325	-	1300

* Common with other diploma programmes

** Common with diploma programme in Civil Engineering

+ Includes 25 marks for Viva-voce

Student Centred Activities will comprise of co-curricular activities like extension lectures, library studies, games, hobby clubs e.g. photography, painting, singing, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, Civil Defence/Disaster Management activities etc.

THIRD SEMESTER (AUTOMOBILE ENGINEERING)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
3.1 *	Strength of Materials	4	-	2	25	25	100	3	50	2	200
3.2	Elements of Mechanical Engineering	4	-	-	25	-	100	3	-	-	125
3.3 *	Basics of Electrical and Electronics Engineering	3	-	2	25	25	100	3	50	2	200
3.4	Manufacturing Technology - I	4	-	4	25	25	100	3	50	3	200
3.5	Automobile Engineering Drawing	-	-	6	-	50	100	3	25 (Viva)	2	175
3.6	Automobile Workshop	-	-	6	-	50	-	-	100	3	150
# Student Centred Activities		-	-	5	-	25	-	-	-	-	25
Total		15	-	25	100	200	500	-	275	-	1075

* Common with diploma programmes in Mechanical Engineering

Student Centred Activities will comprise of co-curricular activities like extension lectures, library studies, games, hobby clubs e.g. photography, painting, singing, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, Civil Defence/Disaster Management activities etc.

FOURTH SEMESTER (AUTOMOBILE ENGINEERING)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week L T P			Theory	Practical	Written Paper		Practical		
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
4.1 *	Materials and Metallurgy	3	-	2	25	25	100	3	50	2	200
4.2	Mechanics of Vehicles	4	-	-	25	-	100	3	-	-	125
4.3	Auto Engines – I	4	-	4	25	25	100	3	50	2	200
4.4	Manufacturing Technology - II	4	-	4	25	25	100	3	50	2	200
4.5	Chassis, Body and Transmission - I	4	-	4	25	25	100	3	50	2	200
4.6 **	Computer Aided Drafting	-	-	3	-	50	-	-	50	3	100
# Student Centred Activities		-	-	4	-	25	-	-	-	-	25
Total		19	-	21	125	175	500	-	250	-	1050

* Common with diploma programmes in Mechanical Engineering

** Common with diploma programme in Mechanical Engineering in (CAD,CAM Design and Robotics)

Student Centred Activities will comprise of co-curricular activities like extension lectures, library studies, games, hobby clubs e.g. photography, painting, singing, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, Civil Defence/Disaster Management activities etc.

Industrial Training - After examination of 4th Semester, the students shall go for training in a relevant industry/field organization for a minimum period of 4 weeks and shall prepare a diary. It shall be evaluated during 5th semester by his/her teacher for 50 marks. The students shall also prepare a report at the end of training and shall present it in a seminar, which will be evaluated for another 50 marks. This evaluation will be done by HOD and lecturer incharge – training in the presence of one representative from training organization.

FIFTH SEMESTER (AUTOMOBILE ENGINEERING)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
	Industrial Training	-	-	-	-	50	-	-	50	3	100
5.1	Auto Engines – II	3	-	6	25	25	100	3	50	2	200
5.2	Chassis, Body and Transmission – II	3	-	6	25	25	100	3	50	2	200
5.3	Garage Equipment	3	-	-	25	-	100	3	-	-	125
5.4	Auto Electrical and Electronics Systems	3	-	-	25	-	100	3	-	-	125
5.5 *	Environment Education	3	-	-	25	-	100	3	-	-	125
5.6 *	Employability Skills – I	-	-	2	-	25	-	-	50	3	75
5.7	Driving Practice – I	-	-	6	-	50	-	-	50	3	100
# Student Centred Activities including Personality Development Camp		-	-	5	-	25	-	-	-	-	25
Total		15	-	25	125	200	500	-	250	-	1075

* Common with other diploma programmes

+ Includes 25 marks for Viva-voce

Student Centred Activities will comprise of co-curricular activities like extension lectures, library studies, games, hobby clubs e.g. photography, painting, singing, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, Civil Defence/Disaster Management activities etc.

SIXTH SEMESTER (AUTOMOBILE ENGINEERING)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
6.1 *	Entrepreneurship Development and Management	3	-	-	25	-	100	3	-	-	125
6.2	Motor Vehicle Act and Transport Management	3	-	-	25	-	100	3	-	-	125
6.3	Tractor and Special Purpose Vehicles	3	-	-	25	-	100	3	-	-	125
6.4 **	Industrial Engineering	4	-	-	25	-	100	3	-	-	125
6.5 *	Employability Skills – II	-	-	2	-	25	-	-	50	3	75
6.6	Fault Diagnosis and Testing Lab.	-	-	5	-	50	-	-	100	3	150
6.7	Driving Practice – II	-	-	5	-	50	-	-	100	3	150
6.8	Overhauling Lab	-	-	5	-	50	-	-	100	3	150
6.9	Project Work	-	-	5	-	100	-	-	100	3	200
	# Student Centred Activities	-	-	5	-	25	-	-	-	-	25
	Total	13	-	27	100	300	400	-	450	-	1250

* Common with other diploma programmes

** Common with diploma programme in Mechanical Engineering

+ Includes 25 marks for Viva-voce

Student Centred Activities will comprise of co-curricular activities like extension lectures, library studies, games, hobby clubs e.g. photography, painting, singing, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, Civil Defence/Disaster Management activities etc.