

7. STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN AUTOMOBILE ENGINEERING (J&K)

FIRST SEMESTER

Sr. No	Subject	L T P Cr Hrs/week				EVALUATION SCHEME						Total Marks
						Internal Assessment		External Assessment (Examination)				
						Theory	Practical	Written Paper		Practical		
						Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
1.1*	English and Communication Skills -I	3	-	2	4	15	10	100	3	50	3	175
1.2*	Applied Mathematics-I	5	-	-	5	25	-	100	3	-	-	125
1.3*	Applied Physics – I	4	-	2	5	15	10	100	3	50	3	175
1.4*	Applied Chemistry – I	2	-	2	3	15	10	100	3	50	3	175
1.5*	Basics of Information Technology	-	-	4	2	-	25	-	-	75	3	100
1.6*	Engineering Drawing-I	-	-	6	3	-	25	100	4	25 (Viva)	-	150
1.7*	General Workshop Practice - I	-	-	6	3	-	25	-	-	75+25 ⁺	3	125
# Student Centred Activities		-	-	4	2	-	25	-	-	-	-	25
Total		14	-	26	27	70	130	500	-	350	-	1050

* Common with other Diploma programmes

Student Centred Activities will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, field visits, NCC, NSS and cultural activities etc.

+ 25 marks are for Viva-voce

L = Lecture (Hours per week)

P = Practical (Hours per week)

T = Tutorial (Hours per week)

Cr = Credits

Note:

As per AICTE Norms, each semester has to be of 16 weeks duration for teaching (excluding examination and vacation), and 40 contact hours per week for teaching out of which about 4 hours/week should be devoted to student centred activities.

SECOND SEMESTER (AUTOMOBILE ENGINEERING)

Sr. No	Subject	L T P Cr Hrs/week				EVALUATION SCHEME						Total Marks
						Internal Assessment		External Assessment (Examination)				
						Theory	Practical	Written Paper		Practical		
						Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
2.1*	English and Communication Skills –II	3	-	2	4	15	10	100	3	50	3	175
2.2*	Applied Mathematics-II	5	-	-	5	25	-	100	3	-	-	125
2.3*	Applied Physics – II	4	-	2	5	15	10	100	3	50	3	175
2.4*	Applied Chemistry - II	2	-	2	3	15	10	100	3	50	3	175
2.5*	Applied Mechanics	3	-	2	4	15	10	100	3	50	3	175
2.6*	Engineering Drawing - II	-	-	6	3	-	25	100	4	25 ⁺	-	150
2.7*	General Workshop Practice-II	-	-	6	3	-	25	-	-	75+25 ⁺	3	125
# Student Centred Activities including Ecology and Environmental Awareness Camp		-	-	3	2	-	25	-	-	-	-	25
Total		17	-	23	29	85	115	600	-	325	-	1125

* Common with other diploma programmes

Student Centred Activities will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, field visits, NCC, NSS and cultural activities etc.

+ 25 marks are for Viva-voce

Note:

As per AICTE Norms, each semester has to be of 16 weeks duration for teaching (excluding examination and vacation), and 40 contact hours per week for teaching out of which about 4 hours/week should be devoted to student centred activities.

THIRD SEMESTER (AUTOMOBILE ENGINEERING)

Sr. No	Subject	L T P Cr Hrs/week				EVALUATION SCHEME						Total Marks
						Internal Assessment		External Assessment (Examination)				
						Theory	Practical	Written Paper		Practical		
						Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
3.1	Auto Engines – I	4	-	3	5	15	10	100	3	50	3	175
3.2	Chassis, Body and Transmission – I	3	-	3	5	15	10	100	3	50	3	175
3.3	Auto Engineering Drawing – I	-	-	6	3	-	25	100	4	25 (Viva)	3	150
3.4	Principles of Thermal Engineering	3	-	2	4	15	10	100	3	50	3	175
3.5	Electrical & Electronics Engineering	4	-	2	5	15	10	100	3	50	3	175
3.6	Automotive Materials	4	-	2	4	15	10	100	3	50	3	175
	# Student Centred Activities	-	-	4	2	-	25	-	-	-	-	25
Total		18	-	22	28	75	100	600	-	275	-	1050

Student Centred Activities will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, field visits, NCC, NSS and cultural activities etc.

Note:

As per AICTE Norms, each semester has to be of 16 weeks duration for teaching (excluding examination and vacation), and 40 contact hours per week for teaching out of which about 4 hours/week should be devoted to student centred activities.

FOURTH SEMESTER (AUTOMOBILE ENGINEERING)

Sr. No	Subject	EVALUATION SCHEME										Total Marks
						Internal Assessment		External Assessment (Examination)				
						Theory	Practical	Written Paper		Practical		
		L T P Cr Hrs/week				Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
4.1	Auto Engines –II	3	-	2	4	15	10	100	3	50	3	175
4.2	Chassis, Body and Transmission – II	3	-	3	5	15	10	100	3	50	3	175
4.3	Auto Engineering Drawing–II	-	-	6	3	-	25	100	4	25 (viva)	3	150
4.4	Elements of Mechanical Engineering	4	-	2	5	15	10	100	3	50	3	175
4.5	Auto Electrical and Electronics Equipment	4	-	3	6	15	10	100	3	50	3	175
4.6	Manufacturing Technology - I	3	-	3	5	15	10	100	3	50	3	175
Industrial Training at a stretch for 4 weeks during vacations after 4 th Semester		To be evaluated in 5 th Semester										
# Student Centred Activities including Entrepreneurial Awareness Camp		-	-	4	2	-	25	-	-	-	-	25
Total		17	-	23	30	75	100	600	-	275	-	1050

Student Centred Activities will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, field visits, NCC, NSS and cultural activities etc.

Note:

As per AICTE Norms, each semester has to be of 16 weeks duration for teaching (excluding examination and vacation), and 40 contact hours per week for teaching out of which about 4 hours/week should be devoted to student centred activities.

FIFTH SEMESTER (AUTOMOBILE ENGINEERING)

Sr. No	Subject	L T P Cr Hrs/week						EV ALVA nON SCHEME						Total Marks
								Internal Assessment			External Assessment (Examination)			
								Theory	Practical	Written Paper		Practical		
								Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
	Industrial Training at a stretch for 4 weeks during vacations after IV Semester Exam.	-	-	-	-	-	100	-	-	100	3	200		
5.1	Auto Repair, Maintenance and Driving Practice-I	-	-	12	6	-	25	-	-	75	3	100		
5.2	Elements of Design	4	-	-	4	25	-	100	3	-	-	125		
5.3	Garage Equipment	4	-	-	4	25	-	100	3	-	-	125		
5.4	Automotive Emission Control	4	-	-	4	25	-	100	3	-	-	125		
5.5	Mechanics of Vehicle	4	-	-	4	25	-	100	3	-	-	125		
5.6	Manufacturing Technology - II	3	-	3	5	15	10	100	3	50	3	175		
	# Student Centred Activities	-	-	6	2	-	25	-	-	-	-	25		
	Total	19	-	21	29	115	160	500	-	225	-	1000		

Student Centred Activities will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, field visits, NCC, NSS and cultural activities etc.

Note:

As per AICTE Norms, each semester has to be of 16 weeks duration for teaching (excluding examination and vacation), and 40 contact hours per week for teaching out of which about 4 hours/week should be devoted to student centred activities.

SIXTH SEMESTER (AUTOMOBILE ENGINEERING)

Sr. No	Subject	L T P Cr Hrs/week				EVALUATION SCHEME						Total Marks
						Internal Assessment		External Assessment (Examination)				
						Theory	Practical	Written Paper		Practical		
						Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
6.1	Auto Repair, Maintenance & Driving Practice- II	-	-	8	4	-	25	-	-	75	3	100
6.2	Motor Vehicle Act and Transport Management	4	-	-	4	25	-	100	3	-	-	125
6.3	Production Planning and Costing	4	-	-	4	25	-	100	3	-	-	125
6.4*	Industrial Management and Entrepreneurship Development	4	-	-	4	25	-	100	3	-	-	125
6.5**	Elective	4	-	-	4	25	-	100	3	-	-	125
6.6	Major Project Work	-	-	12	6	-	100	-	-	200	3	300
# Student Centred Activities		-	-	4	2	-	25	-	-	-	-	25
Total		16	-	24	28	100	150	400	-	275	-	925

* Common with other diploma programmes

** Any one out of the following:

- (a) Automobile Body (b) Tractor & Agriculture Implements (c) Construction and Heavy Earth Moving Equipment
(d) Automotive Heating and Air Conditioning

Student Centred Activities will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, field visits, NCC, NSS and cultural activities etc.

Note:

As per AICTE Norms, each semester has to be of 16 weeks duration for teaching (excluding examination and vacation), and 40 contact hours per week for teaching out of which about 4 hours/week should be devoted to student centred activities.