

**STUDY AND EVALUATION SCHEME FOR DIPLOMA IN AUTOMOBILE ENGINEERING
FIRST SEMESTER (As corrected in Jan 2024)**

Sr. No.	SUBJECTS	STUDY SCHEME Hours/Week			MARKS IN EVALUATION SCHEME									Total Marks of Int. & Ext.
					INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT						
		L/T	P	Cr	Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot		
1.1	*English and Communication Skills – I	3	2	4	20	10	30	50	3	20	3	70	100	
1.2	*Applied Mathematics – I	4	-	4	50	-	50	50	3	-	-	50	100	
1.3	* Applied Physics-I	3	2	4	20	10	30	50	3	20	3	70	100	
1.4	* Applied Chemistry	3	2	4	20	10	30	50	3	20	3	70	100	
1.5	*Basics of Information Technology	-	2	1	-	40	40	-	-	60	3	60	100	
1.6	*Engineering Drawing-I	-	6	3	-	50	50	50	3	-	-	50	100	
1.7	*General Workshop Practice – I	-	6	3	-	50	50	-	-	50	3	50	100	
1.8	Basics of Automobile Engineering	1	-	1	50	-	50	50	3	-	-	50	100	
	#Student Centered Activities including Traffic Awareness and Road Safety Camp (I)	-	1	-	-	-	-	-	-	-	-	-	-	
	Total	14	21	24	160	170	330	300	-	170	-	470	800	

* Common course with other diploma programmes

SCA will comprise of co-curricular activities like extension lectures, games, hobby clubs e.g. photography etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities and other activities to promote experiential learning.

**STUDY AND EVALUATION SCHEME FOR DIPLOMA IN AUTOMOBILE ENGINEERING
THIRD SEMESTER**

Sr. No.	SUBJECTS	STUDY SCHEME Hours/Week		Credits Cr	MARKS IN EVALUATION SCHEME								Total Marks of Int. & Ext.
		L/T	P		INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT					
					Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot	
3.1	Automotive Materials	3	2	4	20	10	30	50	3	20	3	70	100
3.2	Garage Equipment	3	-	3	50	-	50	50	3	-	-	50	100
3.3	Automobile Engine-I	3	2	4	20	10	30	50	3	20	3	70	100
3.4	Automobile Engineering Drawing	-	6	3	-	50	50	50	3	-	-	50	100
3.5	**Workshop Technology – I	3	6	6	10	20	30	50	3	20	3	70	100
3.6	Open Elective (Online/Off line)	2	-	2	50	-	50	50	3	-	-	50	100
# Student Centred Activities including Energy Conservation Awareness Camp; Drug Use and Abuse Awareness Camp		-	5	-	-	-	-	-	-	-	-	-	-
Total		14	21	22	150	90	240	300	-	60	-	360	600

** Common with diploma programme in Mechanical Engineering, Mechanical Engg.(Production)/Production and Industrial Engineering

SCA will comprise of co-curricular activities like extension lectures, games, hobby clubs e.g. photography etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities and other activities to promote experiential learning.

STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN (PUNJAB):Detailed Contents• **Automobile Engineering****Semester - Fifth**

SR. NO.	SUBJECTS	STUDY SCHEME Hrs/Week		MARKS IN EVALUATION SCHEME								Total Marks of Int. & Ext.
				INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT					
				Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot	
	Industrial Training during vacations after 4 th Semester	-	-	-	50	50	-	-	50	3	50	100
5.1	*Basics of Management	3	-	25	-	25	75	3	-	-	75	100
5.2 *	Auto Engine-II	3	2	-	50	50	-	-	75	3	75	125
5.3	Chassis, Body and Transmission-II	3	2	25	25	50	75	3	50	3	125	175
5.4	Auto Electrical and Electronics Equipment	4	2	25	25	50	75	3	50	3	125	175
5.5	Elements of Design	4	-	25	-	25	75	3	-	-	75	100
5.6	Auto Repair, Maintenance and Driving Practice-I	-	12	-	100	100	-	-	100	3	100	200
#Student Centred Activities including Personality Development Camp		-	5	-	25	25	-	-	-	-	-	25
Total		17	23	100	275	375	300	-	325	-	625	1000

* Common with other diploma programmes

Will comprise of co-curricular activities like games, hobby clubs e.g. photography, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities

STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN CIVIL ENGINEERING

FIRST SEMESTER													
SR. NO.	SUBJECTS	STUDY SCHEME Hrs/Week		Credits	MARKS IN EVALUATION SCHEME								Total Marks of Int. & Ext.
		L/T	P		INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT					
					Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot	
1.1	*English and Communication Skills – I	3	2	4	20	10	30	50	3	20	3	70	100
1.2	*Applied Mathematics - I	4	-	4	50	-	50	50	3	-	-	50	100
1.3	*Applied Physics – I	3	2	4	20	10	30	50	3	20	3	70	100
1.4	*Applied Chemistry	3	2	4	20	10	30	50	3	20	3	70	100
1.5	*Basics of Information Technology	-	2	1	-	40	40	-	-	60	3	60	100
1.6	*Engineering Drawing – I	-	6	3	-	50	50	50	3	-	-	50	100
1.7	*General Workshop Practice – I	-	6	3	-	50	50	-	-	50	3	50	100
	#Student Centred Activities including Traffic Awareness & Road Safety Camp(1)	-	2	-	-	-	-	-	-	-	-	-	-
	Total	13	22	23	110	170	280	250	-	170	-	420	700

* Common course with other diploma programmes

SCA will comprise of co-curricular activities like extension lectures, games, hobby clubs e.g. photography etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities and other activities to promote experiential learning.

THIRD SEMESTER

SR. NO.	SUBJECTS	STUDY SCHEME		Credits	MARKS IN EVALUATION SCHEME								Total Marks of Int. & Ext.
		Hrs/Week			INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT					
		L/T	P		Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot	
3.1	Fluid Mechanics	2	4	4	20	10	30	50	3	20	3	70	100
3.2	Surveying	2	6	5	10	20	30	50	3	20	3	70	100
3.3	Structural Mechanics	3	2	4	20	10	30	50	3	20	3	70	100
3.4	Building Construction	3	2	4	20	10	30	50	3	20	3	70	100
3.5	Building Drawing	-	6	3	-	50	50	50	3	-	-	50	100
3.6	Open Elective (Offline/MOOCs)	2	-	2	50	-	50	50	3	-	-	50	100
	# Student Centred Activities including Energy Conservation Awareness Camp Drug Use and Abuse Awareness Camp	-	3	-	-	-	-	-	-	-	-	-	-
	Total	12	23	22	120	100	220	300	-	80	-	380	600

SCA will comprise of co-curricular activities like extension lectures, games, hobby clubs e.g. photography etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities and other activities to promote experiential learning.

STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN (PUNJAB):Detailed Contents• **Civil Engineering****Semester - Fifth**

SR. NO.	SUBJECTS	STUDY SCHEME Hrs/Week		MARKS IN EVALUATION SCHEME								Total Marks of Int. & Ext.
				INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT					
				Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot	
5.1	Reinforced Concrete Design	5	-	25	-	25	75	3	-	-	75	100
5.2	Highway Engineering	5	2	25	25	50	75	3	25	3	100	150
5.3	R.C.C. Drawings	-	4	-	50	50	75	3	-	-	75	125
5.4	Survey Camp	-	-	-	50	50	-	-	50	3	50	100
5.5	Computer Applications in Civil Engineering	-	4	-	50	50	-	-	50	3	50	100
5.6	Railways, Bridges and Tunnels	5	-	25	-	25	75	3	-	-	75	100
5.7	Soil and Foundation Engineering	4	2	25	25	50	75	3	25	3	100	150
5.8	Minor Project Work	-	4	-	50	50	-	-	50	3	50	100
Industrial Training		-	-	-	50	50	-	-	50	3 viva	50	100
# Student Centred Activities including Personality Development Awareness Camp		-	5	-	25	25	-	-	-	-	-	25
Total		19	21	100	325	425	375	-	250	-	625	1050

Note: Survey camp will be held either in the beginning of 5th semester or after it for minimum 10 days in a sub mountainous area.

Will comprise of co-curricular activities like extension lectures, games, hobby clubs e.g. photography etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities etc.

STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN COMPUTER SCIENCE AND ENGINEERING

FIRST SEMESTER

Sr. No.	SUBJECTS	STUDY SCHEME		Credit	MARKS IN EVALUATION SCHEME								Total Marks of Int. & Ext.
		Hrs/Week			INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT					
		L/T	P		Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot	
1.1	*English and Communication Skills – I	3	2	4	20	10	30	50	3	20	3	70	100
1.2	*Applied Mathematics - I	4	-	4	50	-	50	50	3	-	-	50	100
1.3	*Applied Physics – I	3	2	4	20	10	30	50	3	20	3	70	100
1.4	*Environmental Studies	2	-	2	50	-	50	50	3	-	-	50	100
1.5	**Computer Fundamentals and Information Technology	2	2	3	20	10	30	50	3	20	3	70	100
1.6	*Engineering Drawing – I	-	6	3	-	50	50	50	3	-	-	50	100
1.7	+General Workshop – I	-	4	2	-	50	50	-	-	50	3	50	100
	#Student Centred Activities including Traffic Awareness and Road Safety Camp(I)	-	5	-	-	-	-	-	-	-	-	-	-
	Total	14	21	22	160	130	290	300	-	110	-	410	700

* Common course with other diploma programmes

** Common course with diploma in Information Technology

+ Common course with diploma programmes in Electronics and Communication Engineering and Information Technology

SCA will comprise of co-curricular activities like extension lectures, games, hobby clubs e.g. photography etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities and other activities to promote experiential learning.

THIRD SEMESTER (COMPUTER SCIENCE AND ENGINEERING)

Sr. No.	SUBJECTS	STUDY SCHEME		Credit	MARKS IN EVALUATION SCHEME								Total Marks of Int. & Ext.
		Hrs/Week			INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT					
		L/T	P		Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot	
3.1	+Digital Electronics	3	2	4	20	10	30	50	3	20	3	70	100
3.2	**Computer Programming Using C	3	4	5	20	10	30	50	3	20	3	70	100
3.3	**Database Management System	3	4	5	20	10	30	50	3	20	3	70	100
3.4	**Operating Systems	3	2	4	20	10	30	50	3	20	3	70	100
3.5	**Internet and Web Technologies	2	4	4	20	10	30	50	3	20	3	70	100
3.6	Open Elective (Offline/MOOCs)	2	-	2	50	-	50	50	3	-	-	50	100
#Student Centred Activities including Energy Conservation Awareness Camp; Drug Use and Abuse Awareness Camp		-	3	-	-	-	-	-	-	-	-	-	-
Total		16	19	24	150	50	200	300	-	100	-	400	600

** Common course with diploma in Information Technology

+ Common course with diploma programmes in Electronics and Communication Engineering and Information Technology

SCA will comprise of co-curricular activities like extension lectures, games, hobby clubs e.g. photography etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities and other activities to promote experiential learning.

STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN (PUNJAB):• **Computer Science and Engineering**Detailed Contents**Semester - Fifth**

SR. NO.	SUBJECTS	STUDY SCHEME Hrs/Week		MARKS IN EVALUATION SCHEME								Total Marks of Int. & Ext.
				INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT					
				Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot	
5.1	*Basics of Management	3	-	25	-	25	75	3	-	-	75	100
5.2	+Microprocessors	4	3	25	25	50	75	3	25	3	100	150
5.3	**Computer Peripherals and Interfacing	3	3	25	25	50	75	3	25	3	100	150
5.4	**Web Development using PHP	2	4	25	25	50	75	3	25	3	100	150
5.5	**Elective: 5.5 (a) Mobile Technologies 5.5 (b) Internet of Things 5.5 (c) Big Data	5	-	25	-	25	75	3	-	-	75	100
5.6	Minor Project	-	9	-	50	50	-	-	50	Viva Voce	50	100
-	Industrial Training	-	-	-	50	50	-	-	50	3	50	100
	# Student Centred Activities including Personality Development Camp	-	4	-	25	25	-	-	-	-	-	25
	Total	17	23	125	200	325	375	-	175	-	550	875

* Common course with other diploma programmes

** Common course with Computer Engineering and Information Technology

+ Common course with Computer Engineering, Electronics & Communication Engineering

Will comprise of co-curricular activities like extension lectures, games, hobby clubs e.g. photography etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities etc.

Study and Evaluation Scheme for Diploma Programme in ECE (Industry Integrated)
(For Punjab State)

FIRST SEMESTER- ECE (Industry Integrated)

Sr. No.	SUBJECTS	STUDY SCHEME Hrs/Week		MARKS IN EVALUATION SCHEME								Total Marks of Internal & External
				Internal Assessment			External Assessment					
				Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot	
1.1	*English and Communication Skills – I	3	2	15	10	25	75	3	25	3	100	125
1.2	*Applied Mathematics - I	5	-	25	-	25	75	3	-	-	75	100
1.3	*Applied Physics – I	4	2	15	10	25	75	3	25	3	100	125
1.4	*Applied Chemistry – I	4	2	15	10	25	75	3	25	3	100	125
1.5.	*Engineering Drawing – I	-	7	-	50	50	100	3	-	-	100	150
1.6	*General Workshop Practice – I	-	7	-	100	100	-	-	50 +	4	50	150
#	Student Centred Activities (SCA)	-	4	-	50	50	-	-	-	-	-	50
Total		16	24	70	230	300	400	-	125	-	525	825

* Common with other diploma programmes

+ Includes 25 marks for viva-voce

SCA will comprise of co-curricular activities like extension lectures, games, hobby clubs, including photography, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities

Revised Study Scheme w.e.f. Aug' 2012

THIRD SEMESTER- ECE (Industry Integrated)

Sr. No.	SUBJECTS	STUDY SCHEME Hrs/Week		MARKS IN EVALUATION SCHEME								Total Marks of Internal & External
				INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT					
		Th	Pr	Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot	
3.1	*Electronic Instruments and Measurement	4	2	15	10	25	75	3	25	3	100	125
3.2	*Principles of Communication Engineering	4	2	15	10	25	75	3	25	3	100	125
3.3	**Digital Electronics	4	3	15	10	25	75	3	25	3	100	125
3.4	*Electronic Devices and Circuits	4	3	15	10	25	75	3	25	3	100	125
3.5	*Electrical Machines	4	2	15	10	25	75	3	25	3	100	125
3.6	*Computer Programming and Application	2	3	15	10	25	75	3	25	3	100	125
# Student Centred Activities and Environmental Studies		1	2	20	30	50	25	-	25	-	50	100
Total		23	17	110	90	200	475	-	175	-	650	850

* Common with diploma programme in Electronics (MP)

** Common with diploma programme in Electronics (μ P), Computer Engineering and Information Technology

SCA will comprise of co-curricular activities like extension lectures, games, hobby clubs including photography, robotics etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities

**Study and Evaluation Scheme for Diploma Programme in Electronics and Communication Engineering
(For Punjab State)**

FIFTH SEMESTER- ECE (Industry Integrated)

Sr. No.	SUBJECTS	STUDY SCHEME Hrs/Week		MARKS IN EVALUATION SCHEME								Total Marks of Internal & External
				INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT					
		Th	Pr	Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot	
5.1	+Consumer Electronics	4	3	15	10	25	75	3	25	3	100	125
5.2	+PC Organization (PCO)	3	3	15	10	25	75	3	25	3	100	125
5.3	+Trouble Shooting of Electronic Equipment	-	4	-	50	50	-	-	50	3	50	100
5.4	Communication System - II	4	2	15	10	25	75	3	25	3	100	125
5.5	Micro controllers and Embedded System	4	2	15	10	25	75	3	25	3	100	125
5.6	+Instrumentation and PLCs	4	4	15	10	25	75	3	25	3	100	125
Industrial Training		-	-	-	50	50	-	-	50	3	50	100
#	Student Centred Activities including Personality Development Camp	-	3	-	50	50	-	-	-	-	-	50
Total		19	21	75	200	275	375	-	225	-	600	875

+ Common with diploma programme in Electronics (μ P),

* **There will be a compulsory industrial/educational tour for one week during this semester or after the semester**

SCA will comprise of co-curricular activities like extension lectures, games, hobby clubs including photography, robotics etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities

**STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN ELECTRICAL ENGINEERING
FIRST SEMESTER**

SR. NO.	SUBJECTS	STUDY SCHEME Hrs/Week			MARKS IN EVALUATION SCHEME									Total Marks of Int. & Ext.
					INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT						
		L/T	P	Cr	Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot		
1.1	*English and Communication Skills – I	3	2	4	20	10	30	50	3	20	3	70	100	
1.2	*Applied Mathematics - I	4	-	4	50	-	50	50	3	-	-	50	100	
1.3	*Applied Physics – I	3	2	4	20	10	30	50	3	20	3	70	100	
1.4	*Applied Chemistry	3	2	4	20	10	30	50	3	20	3	70	100	
1.5	* Basics of Information Technology	-	2	1	-	40	40	-	-	60	3	60	100	
1.6	*Engineering Drawing – I	-	6	3	-	50	50	50	3	-	-	50	100	
1.7	*General Workshop Practice – I	-	6	3	-	50	50	-	-	50	3	50	100	
#Student Centred Activities including Traffic Awareness & Road Safety Camp(I)		-	2	-	-	-	-	-	-	-	-	-	-	
Total		13	22	23	110	170	280	250	-	170	-	420	700	

* Common course with other diploma programmes

SCA will comprise of co-curricular activities like extension lectures, games, hobby clubs e.g. photography etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities and other activities to promote experiential learning.

THIRD SEMESTER

SR. NO.	SUBJECTS	STUDY SCHEME Hrs/Week			MARKS IN EVALUATION SCHEME									Total Marks of Internal & External
					INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT						
		L/T	P	Cr	Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot		
3.1	Non-Conventional Energy Sources	3	-	3	50	-	50	50	3	-	-	50	100	
3.2	Electrical Machines – I	3	4	5	20	10	30	50	3	20	3	70	100	
3.3	Electronics Devices & Circuits	3	4	5	20	10	30	50	3	20	3	70	100	
3.4	Computer Programing Applications	-	6	3	-	50	50	-	-	50	3	50	100	
3.5	Electrical Workshop Practice–II	-	6	3	-	50	50	-	-	50	3	50	100	
3.6	Open Elective (Offline/Online)	2	-	2	50	-	50	50	3	-	-	50	100	
# Student Centred Activities (SCA) including Energy Conservation Awareness Camp ; Drug Use and Abuse Awareness Camp		-	4	-	-	-	-	-	-	-	-	-	-	
Total		11	24	21	140	120	260	200	-	140	-	340	600	

SCA will comprise of co-curricular activities like extension lectures, games, hobby clubs e.g. photography etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities and other activities to promote experiential learning.

STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN (PUNJAB):

- Electrical Engineering

Detailed Contents**Semester - Fifth**

Sr. No.	SUBJECTS	STUDY SCHEME Hrs/Week		MARKS IN EVALUATION SCHEME								Total Marks of Internal & External
				INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT					
		Th	Pr	Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot	
5.1	Electrical Machines - II	4	3	25	25	50	75	3	25	3	100	150
5.2	Electrical Power - I	4	-	25	-	25	75	3	-	-	75	100
5.3	Programmable Logic Controllers and Microcontrollers	4	4	25	25	50	75	3	25	3	100	150
5.4	Installation and Maintenance of Electrical Equipment	4	-	25	-	25	75	3	-	-	75	100
5.5	Estimating and Costing in Electrical Engineering	3	4	25	25	50	75	3	25	3	100	150
5.6	Minor Project Work	-	6	-	50	50	-	-	50	Viva voce	50	100
Industrial Training		-	-	-	50	50	-	-	50	Viva voce	50	100
# Student Centred Activities including Personality Development Camp		-	4	-	25	25	-	-	-	-	-	25
Total		19	21	125	200	325	375	-	175	-	550	875

* **There will be a compulsory industrial/educational tour for one week during this semester or after the semester**

SCA will comprise of co-curricular activities like extension lectures, games, hobby clubs e.g. photography etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities etc.

STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN MECHANICAL ENGINEERING

FIRST SEMESTER

Sr. No.	SUBJECTS	STUDY SCHEME			MARKS IN EVALUATION SCHEME									Total Marks of Int. & Ext.
		Hours/Week			INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT						
		L/T	P	Cr	Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot		
1.1	*English and Communication Skills - I	3	2	4	20	10	30	50	3	20	3	70	100	
1.2	*Applied Mathematics – I	4	-	4	50	-	50	50	3	-	-	50	100	
1.3	* Applied Physics-I	3	2	4	20	10	30	50	3	20	3	70	100	
1.4	* Applied Chemistry	3	2	4	20	10	30	50	3	20	3	70	100	
1.5	*Basics of Information Technology	-	2	1	-	40	40	-	-	60	3	60	100	
1.6	*Engineering Drawing-I	-	6	3	-	50	50	50	3	-	-	50	100	
1.7	*General Workshop Practice – I	-	6	3	-	50	50	-	-	50	3	50	100	
	#Student Centred Activities including Traffic Awareness and Road Safety Camp (I)	-	2	-	-	-	-	-	-	-	-	-	-	
	Total	13	22	23	110	170	280	250	-	170	-	420	700	

* Common course with other diploma programmes

SCA will comprise of co-curricular activities like extension lectures, games, hobby clubs e.g. photography etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities and other activities to promote experiential learning.

STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN MECHANICAL ENGINEERING

THIRD SEMESTER

Sr. No.	SUBJECTS	STUDY SCHEME Hours/Week		Credits Cr	MARKS IN EVALUATION SCHEME								Total Marks of Int. & Ext.
		L/T	P		INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT					
					Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot	
3.1	*Engineering Materials	3	2	4	20	10	30	50	3	20	3	70	100
3.2	*Elements of Electrical and Electronics Engineering	2	2	3	20	10	30	50	3	20	3	70	100
3.3	Metrology and Instrumentation	3	2	4	20	10	30	50	3	20	3	70	100
3.4	*Mechanical Engineering Drawing-I	-	6	3	-	50	50	50	4	-	-	50	100
3.5	**Workshop Technology – I	3	6	6	10	20	30	50	3	20	3	70	100
3.6	Open Elective (Online/Offline)	2	-	2	50	-	50	50	3	-	-	50	100
# Student Centred Activities including Energy Conservation Awareness Camp; Drug Use and Abuse Awareness Camp		-	4	-	-	-	-	-	-	-	-	-	-
Total		13	22	22	120	100	220	300	-	80	-	380	600

* Common with diploma programmes in Production and Industrial Engineering

** Common with diploma programmes in Automobile Engineering and Mechanical Engg. (Production)/ Production and Industrial Engineering

SCA will comprise of co-curricular activities like extension lectures, games, hobby clubs e.g. photography etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities and other activities to promote experiential learning.

STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN (PUNJAB):• **Mechanical Engineering**Detailed Contents**Semester - Fifth**

SR. NO.	SUBJECTS	STUDY SCHEME Hrs/Week		MARKS IN EVALUATION SCHEME								Total Marks of Int. & Ext.
				INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT					
		Th	Pr	Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot	
	Industrial Training during vacations after 4 th Semester	-	-	-	50	50	-	-	50	3	50	100
5.1	*Basics of Management	3	-	25	-	25	75	3	-	-	75	100
5.2	Refrigeration and Air-conditioning	4	2	25	25	50	75	3	50	3	125	175
5.3	Thermodynamics-II	4	2	25	25	50	75	3	50	3	125	175
5.4	Theory of Machines	4	-	25	-	25	75	3	-	-	75	100
5.5	Computer Aided Drafting and Modelling	-	8	-	50	50	-	-	75	3	75	125
5.6	Workshop Technology - III	4	7	25	25	50	75	3	50	3	125	175
	Student Centred Activities including Personality Development Camp	-	2	-	25	25	-	-	-	-	-	25
Total		19	21	125	200	325	375	-	275	-	650	975

* Common with other diploma programmes

Will comprise of co-curricular activities like games, hobby clubs e.g. photography, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities etc.