

**STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN ELECTRICAL ENGINEERING
(for the State of J&K)**

First Semester (Electrical Engineering)

Sr. No		STUDY SCHEME				EVALUATION SCHEME						Total Marks
		L	T	P	Cr.	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	-	3	50	3	75
1.6*	Engineering Drawing-I	-	-	6	3	-	25	100	4	25(Viva) [^]	2	150
1.7*	General Workshop Practice-I	-	-	6	3	-	25	-	-	75+25 [^]	3	125
	# Student Centered Activities	-	-	4	2	-	25	-	-	-	-	25
	Total	14	-	26	27	70	130	500	-	325		1025

* Subject common with that of other Diploma Programmes viz: Civil, Mechanical, Automobile Engineering etc

[^] 25 Marks for comprehensive viva by external examiner. The students will show all the Drawing Sheets made during the semester at the time of viva voce examination of Engineering Drawing

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.

L – Lecture(Hours/week): T- Tutorial (Hours/week) P- Practical (Hours/ week) Cr - Credit(s)

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.

**STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN ELECTRICAL ENGINEERING
(for the State of J&K)**

Second Semester (Electrical Engineering)

Sr. No		STUDY SCHEME				EVALUATION SCHEME						Total Marks
		L	T	P	Cr.	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+	Basic Electrical Engineering	3	-	2	4	15	10	100	3	50	3	175
2.6*	Engineering Drawing-II	-	-	6	3	-	25	100	4	25 (Viva)^	2	150
2.7*	General Workshop Practice-II	-	-	6	3	-	25	-	-	75+25^	3	125
	# Student Centered Activities including Ecology and Environment Awareness Camp	-	-	3	2	-	25	-	-	-	-	25
Total		17	-	23	29	85	115	600	-	325	-	1125

* Subject common with that of other Diploma Programmes viz: Civil, Mechanical, Automobile Engineering, etc.

^ 25 Marks for comprehensive viva by external examiner

The students will show all the Drawing Sheets made during the semester at the time of viva voce examination of Engineering Drawing

+ Common with I&C

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.

**STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN ELECTRICAL ENGINEERING
(for the State of J&K)**

Third Semester (Electrical Engineering)

Sr. No		STUDY SCHEME				EVALUATION SCHEME						Total Marks
		L	T	P	Cr.	Internal Assessment		External Assessment (Examination)				
						Theory	Practical	Written Paper		Practical		
						Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
3.1*	General Engineering	4		2	5	15	10	100	3	50	3	175
3.2	Analog Electronics – I	4		3	6	15	10	100	3	50	3	175
3.3	Electrical and Electronics Engineering Materials	4		-	4	25	-	100	3	-	-	125
3.4	Electrical Measurements and Instrumentation	4		3	6	15	10	100	3	50	3	175
3.5	Electrical Engineering Design and Drawing-I	-		6	3	-	25	100	3	25 [^]	3	150
3.6	Electrical and Electronic Workshop Practice – I	-		6	3	-	25	-	-	75+25 [^]	3	125
	# Student Centered Activities	-	-	4	2	-	25	-	-	-	-	25
Total		16	-	24	29	70	105	500	-	275	-	950

* Common with other branches of diploma programmes

[^] 25 Marks for comprehensive viva by external examiner

The students will show all the Drawing Sheets made during the semester at the time of viva voce examination of Electrical Engineering Drawing

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.

**STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN ELECTRICAL ENGINEERING
(for J&K State)**

Fourth (Electrical Engineering)

Sr. No		STUDY SCHEME				EVALUATION SCHEME						Total Marks
		L	T	P	Cr.	Internal Assessment		External Assessment (Examination)				
						Theory	Practical	Written Paper		Practical		
						Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
4.1	Electrical Machines – I	4		3	6	15	10	100	3	50	3	175
4.2	Analog Electronics –II	4		3	6	15	10	100	3	50	3	175
4.3	Estimating and Costing in Electrical Engineering	4		-	4	25	-	100	3	-	3	125
4.4	Electrical Engineering Design and Drawing – II	-		6	3	-	25	100	3	25 [^]	3	150
4.5	Computer Programming and Applications	3		4	5	15	10	100	3	50	3	175
4.6	Electrical and Electronic Workshop Practice - II	-		6	3	-	25	-	-	75+25 [^]	3	125
	# Student Centered Activities including Entrepreneurial Awareness Camp	-	-	3	2	-	25	-	-	-	-	25
Total		15	-	25	29	70	105	500	-	275	-	950

+ Viva voce examination

[^] 25 Marks for comprehensive viva by external examiner

The students will show all the Drawing Sheets made during the semester at the time of viva voce examination of Electrical Engineering Drawing

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.

**STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN ELECTRICAL ENGINEERING
(for the State of J&K)**

Fifth Semester (Electrical Engineering)

Sr. No		STUDY SCHEME				EVALUATION SCHEME						Total Marks
		L	T	P	Cr.	Internal Assessment		External Assessment (Examination)				
						Theory	Practical	Written Paper		Practical		
						Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
Hrs/week												
5.1	Electrical Machine – II	5		2	6	15	10	100	3	50	3	175
5.2	Electrical Power–I (Transmission and Distribution of Electrical Power)	4		-	4	25	-	100	3	-	-	125
5.3	Power Electronics	4		2	5	15	10	100	3	50	3	175
5.4	Elective – I	4		-	4	25	-	100	3	-	-	125
5.5	Digital Electronics and Microprocessors	4		2	5	15	10	100	3	50	3	175
5.6	Utilization of Electrical Energy	5	-	-	5	25	-	100	3	-	3	125
5.7	Minor Project Work	-		4	2	-	50	-	-	100	3	150
	# Student Centered Activities	-	-	4	2	-	25	-	-	-	-	25
Total		26	-	14	33	120	105	600	-	250		1075

Elective I : 1) Instrumentation 2) Non- Conventional Sources of Energy 3) Design of Electrical Machines

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.

**STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN ELECTRICAL ENGINEERING
(for the State of J&K)**

Sixth Semester (Electrical Engineering)

Sr. No		STUDY SCHEME				EVALUATION SCHEME						Total Marks
		L	T	P	Cr.	Internal Assessment		External Assessment (Examination)				
						Theory	Practical	Written Paper		Practical		
						Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
Hrs/week												
6.1	Control of Electrical Machines	4	-	2	5	15	10	100	3	50	3	175
6.2	Installation and Maintenance of Electrical Equipment	4		-	4	25	-	100	3	-	-	125
6.3	Electrical Power – II (Power Generation and System Protection)	4		2	5	15	10	100	3	50	3	175
6.4	Elective-II	4		-	4	25	-	100	3	-	-	125
6.5*	Entrepreneurship Development and Management	4		-	4	25	-	100	3	-	-	125
6.6	Major Project Work	-		9	5	-	100	-	-	200	3	300
6.7	PC Maintenance and Repair	-	-	3	2	-	25	-	-	50	3	75
	Student Centered Activities	-	-	4	2	-	25	-	-	-	-	25
Total		20	-	20	31	105	170	500	-	350	-	1125

Elective II : (1) Energy Management (2) Optical Fibre Communication (3) Microcontrollers and PLCs

- * Subject common with that of other Diploma Programmes viz: Civil, Mechanical, Electronics and Comm Engg and Automobile Engineering
 # 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.