

DIPLOMA PROGRAMME IN ELECTRONICS ENGINEERING (For Uttarakhand State)

FIRST SEMESTER (Electronics Engineering) wef 2006-07

Sr. No	Subject	STUDY SCHEME			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	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	2	-	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 [^]	2	175
1.7*	General Workshop Practice - I	-	-	6	-	50	-	-	100 +25 [^]	3	175
# Student Centred Activities		-	-	4	-	30	-	-	-	-	30
Discipline		-	-	-	-	20	-	-	-	-	20
Total		14	-	26	125	275	500	-	375	-	1300

* Common with that of other Diploma Programmes

[^] 25 Marks for comprehensive viva by external examiner during or immediately after the examination. The students will show all the Drawing Sheets made/ jobs prepared during the semester at the time of viva voce examination of Engineering Drawing/workshop practice.

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.

DIPLOMA PROGRAMME IN ELECTRONICS ENGINEERING (For Uttarakhand State)

SECOND SEMESTER (Electronics Engineering) wef 2006-07

Sr. No	Subject	STUDY SCHEME			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	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*	Fundamentals of Electrical Engineering	3	-	2	25	25	100	3	50	3	200
2.5	Electronics Component and Materials(ECM)	4	-	-	50	-	100	3	-	-	150
2.6+	Computer Programming and Applications in Electronics	2	-	4	25	25	100	3	50	2	200
2.7*	General Workshop Practice-II	-	-	6	-	50	-	-	100 + 25^	3	175
# Student Centred Activities including Environmental Awareness Camp		-	-	4	-	30	-	-	-	-	30
Discipline		-	-	-	-	20	-	-	-	-	20
Total		21	-	19	200	200	600		325		1325

* Common with that of other Diploma Programmes

^ 25 Marks for comprehensive viva by external examiner during or immediately after the examination. The students will show all the Drawing Sheets made/ jobs prepared during the semester at the time of viva voce examination of Engineering Drawing/workshop practice.

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.

DIPLOMA PROGRAMME IN ELECTRONICS ENGINEERING (For Uttarakhand State)

THIRD SEMESTER (Electronics Engineering) wef 2007-08

Sr. No	Subject	STUDY SCHEME			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	Analog Electronics-I	4	-	2	25	25	100	3	50	3	200
3.2	Principle of communication Engineering	3	-	2	25	25	100	3	50	2	200
3.3	Network, filter and Transmission Lines	4	-	2	25	25	100	3	50	2	200
3.4	Digital Electronics-I	4	-	3	25	25	100	3	50	2	200
3.5	Electrical Machines	3	-	3	25	25	100	3	50	2	200
3.6*	General Engineering	4	-	2	25	25	100	3	50	2	200
# Student Centred Activities		-	-	4	-	30	-	-	-	-	30
Discipline		-	-	-	-	20	-	-	-	-	20
Total		22		18	150	200	600	-	300		1250

- Common with that of 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.

DIPLOMA PROGRAMME IN ELECTRONICS ENGINEERING (For Uttarakhand State)

FOURTH SEMESTER (Electronics Engineering) wef 2007-08

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper		Practical		
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
Hrs/week											
L T P											
4.1	Analog Electronics-II	4	-	3	25	25	100	3	50	2	200
4.2	Communication Engineering –I	4	-	2	25	25	100	3	50	2	200
4.3	Digital Electronics-II	4	-	3	25	25	100	3	50	2	200
4.4	Power Electronics	4	-	2	25	25	100	3	50	3	200
4.5	Electronic Instrumentation	4	-	2	25	25	100	3	50	2	200
4.6	Minor Project Work	-	-	4	-	50	-	-	50	-	100
# Student Centred Activities including Entrepreneurial Awareness Camp		-	-	4	-	30	-	-	-	-	30
Discipline		-	-	-	-	20	-	-	-	-	20
Total		20	-	20	125	225	500	-	300	-	1150

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.

DIPLOMA PROGRAMME IN ELECTRONICS ENGINEERING (For Uttarakhand State)

FIFTH SEMESTER (Electronics Engineering) wef 2008-09

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theor y	Practic al	Written Paper		Practical		
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hr s	
Hrs/week		L	T	P							
5.1	Consumer Electronics				3	-	3	25	25	100	3
5.2	Electronic Instruments and Measurement	4	-	3	25	25	100	3	50	3	200
5.3	Trouble Shooting of Electronic Equipment	2	-	4	25	25	100	3	50	3	200
5.4	Communication Engineering -II	3	-	2	25	25	100	3	50	3	200
5.5	Elective-I	3	-	2	25	25	100	3	50	3	200
5.6*	Microprocessor and Applications	4	-	3	25	25	100	3	50	3	200
# Student Centred Activities including Generic Skill Development Camp- I		-	-	4	-	30	-	-	-	-	30
Discipline		-	-	-	-	20	-	-	-	-	20
Total		17	-	23	150	200	600	-	300	-	1250

Elective-I To choose any one from the following:

- a) Maintenance and Repair of Computer Systems
 - b) Digital and Data Communication
 - c) Satellite communication
- Common with that of Diploma Programmes in Computer Engineering and IT
- # 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.

DIPLOMA PROGRAMME IN ELECTRONICS ENGINEERING (For Uttarakhand State)

SIXTH SEMESTER (Electronics Engineering) wef 2008-09

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Theory	Practical	Written Paper		Practical					
		Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs				
Hrs/week		L	T	P							
6.1	Optical Fiber Communication				4	-	2	25	25	100	3
6.2	Mobile Communication	4	-	3	25	25	100	3	50	-	200
6.3	Micro Controllers and PLCs	3	-	3	25	25	100	3	50	3	200
6.4	Elective-II	3	-	2	25	25	100	3	50	3	200
6.5 *	Entrepreneurship Development and Management	4	-	-	50	-	100	3	-	-	150
6.6	Major Project Work	-	-	8	-	200	-	-	100	3	300
# Student Centred Activities including Generic Skill Development Camp- II		-	-	4	-	30	-	-	-	-	30
Discipline		-	-	-	-	20	-	-	-	-	20
Total		18	-	22	175	325	500	-	300	-	1300

Elective – To choose any one from the following:

- a) Medical Electronics
- b) Computer Networks
- c) Advanced Microprocessors

- Common with that of 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.

1st Se					
				Consumer Electronics	Optical Fiber Communication
				Electronic Instruments and	Mobile Communication

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				Measurement	
				Trouble Shooting of Electronic Equipment	Micro Controllers and PLCs
				Communication Engineering -II	Elective-II any one from the following: a-Medical Electronics b-Computer Networks c-Advanced Microprocessors
				Elective-I any one from the following: a-Maintenance and Repair of Computer Systems b-Digital and Data Communication c-Satellite communication	Entrepreneurship Development and Management
				Microprocessor and Applications	Major Project Work