

7. STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN
CIVIL CONSTRUCTION (50)

FIRST SEMESTER

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

CONSTRUCT IONS (50)

Sr. No	Subject	STUDY SCHEME		EVALUATION SCHEME								Total Marks
				Internal Assessment				External Assessment (Examination)				
				Theory		Practical		Written Paper		Practical		
				Max. Marks	Hrs	Max. Marks	Hrs	Max. Marks	Hrs	Max. Marks	Hrs	
2.1*	Communication Skills – II	3	-	2	25	25	100	3	3	50	2	200
2.2*	Applied Mathematics - II	5	-	-	50	-	100	3	3	-	-	150
2.3*	Applied Physics – II	4	-	2	25	25	100	3	3	50	3	200
2.4*	Applied Chemistry – II	3	-	2	25	25	100	3	3	50	3	200
2.5**	Applied Mechanics	3	-	2	25	25	100	3	3	50	3	200
2.6*	Engineering Drawing - II	-	-	6	-	50	100	3	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 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.

THIRD SEMESTER (CIVIL CONSTRUCTION (50))

Sr. No	Subject	STUDY SCHEME		EVALUATION SCHEME										Total Marks
				Internal Assessment					External Assessment (Examination)					
				Theory		Practical			Written Paper		Practical			
				Max. Marks	Hrs	Max. Marks	Hrs	Max. Marks	Hrs	Max. Marks	Hrs	Max. Marks	Hrs	
3.1	Fluid Mechanics	3	-	2	25	25	100	3	50	3	3	200		
3.2	Structural Mechanics	4	-	2	25	25	100	3	50	3	3	200		
3.3	Surveying - I	2	-	5	25	25	100	3	50	3	3	200		
3.4	Construction Materials	4	-	2	25	25	100	3	50	3	3	200		
3.5	Building Construction	5	-	2	25	25	100	3	50	3	3	200		
3.6	Civil Engineering Drawing -I	-	-	4	-	50	-	-	100	3	3	200		
# Student Centred Activities		-	-	5	-	25	-	-	-	-	-	25		
Total		18	-	22	125	200	500	-	350	-	-	1175		

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 (CIVIL CONSTRUCTION (50))

Sr. No	Subject	STUDY SCHEME		EVALUATION SCHEME										Total Marks
				Internal Assessment					External Assessment (Examination)					
				Theory		Practical		Written Paper		Practical				
				Max. Marks	Hrs	Max. Marks	Hrs	Max. Marks	Hrs	Max. Marks	Hrs			
4.1	Concrete Technology	3	-	2	25	25	100	3	50	3	3	200		
4.2	Water Supply and Waste Water Engineering	5	-	2	25	25	100	3	50	3	3	200		
4.3	Irrigation Engineering	4	-	-	50	-	100	3	-	-	-	150		
4.4	Surveying – II	2	-	6	25	25	100	3	50	3	3	200		
4.5	RCC Design	5	-	-	50	-	100	3	-	-	-	150		
4.6	Civil Engineering Drawing-II	-	-	6	-	50	-	-	100	3	3	150		
#	Students Centered Activities including Entrepreneurial Awareness Camp	-	-	5	-	25	-	-	-	-	-	25		
	Total	19		21	175	150	500	-	250	-	-	1075		

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.

Note: Survey camp will be held after 4th semester for minimum 15 days in a sub mountainous area away from polytechnic preferably in camp conditions. Details are given at Sr. No. 5.3 in 5th Semester.

**STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN
CIVIL CONSTRUCTION (50)**

FIFTH SEMESTER

Sr. No	Code/ Identity	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
						Internal Assessment			External Assessment (Examination)			
			Theory	Max. Marks	Practical							
						L	T	P				
5.1 *	120151	Environment Education	3	-	-	25	-	100	3	-	-	125
5.2	120752/ 030752	Highway Engineering	5	-	2	25	25	100	3	3	50	200
5.3	120753	Steel Structure Design	5	-	-	50	-	100	3	-	-	150
5.4	120754	Soil & Foundation Engineering	4	-	2	25	25	100	3	3	50	200
5.5	-	Survey Camp	-	-	-	-	50	-	-	-	100	150
5.6	095056	Construction Management - I	5	-	-	25	-	100	3	-	-	125
5.7	095057	Construction Equipment Management	5	-	-	25	-	100	3	-	-	125
5.8 *	-	Employability Skills-I	-	-	2	-	25	-	-	-	50	75
		#Student Centered Activities	-	-	7	-	25	-	-	-	-	25
		Total	27	-	13	175	150	600	-	-	250	1275

* Common with other diploma programmes

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.

**STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN
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SIXTH SEMESTER

Sr. No	Code/ Identity	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks				
						Internal Assessment			External Assessment (Examination)				Theory	Practical	Written Paper	Practical
						L	T	P								
6.1	120761	Railways, Bridges and Tunnels	5	-	-	50	-	100	3	-	-	150				
6.2	120762/030762	Earthquake Resistant Building Construction	3	-	-	50	-	100	3	-	-	150				
6.3	120763	Quantity Surveying & Valuation	5	-	-	50	-	100	3	-	-	150				
6.4	095063	Construction Management - II	4	-	-	25	-	100	3	-	-	125				
6.5	095065	Construction Labour Laws and Arbitration	4	-	-	25	-	100	3	-	-	125				
6.6	-	Computer Applications in Construction Management	-	-	3	-	50	-	-	50	3	100				
6.7	-	Elective	3	-	-	25	-	100	3	-	-	125				
6.8	-	Employability Skills-II	-	-	2	-	25	-	-	50	3	75				
6.9	-	Major Project Work	-	-	9	-	150	-	-	150	3	300				
		#Student Centered Activities	-	-	2	-	25	-	-	-	-	25				
		Total	24	-	16	225	250	600	-	250	-	1325				

Elective: Any one out of following three

- 6.7.1 120766A/030766A Repair and Maintenance of Buildings
- 6.7.2 120766B/030766B Environmental Engineering
- 6.7.3 120766D Pre-stressed Concrete

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.