

**THIRD SEMESTER SCHEME FOR LATERAL ENTRY AND ITI PASSED STUDENTS (CIVIL ENGINEERING)**

Sr. No.	SUBJECTS	STUDY SCHEME Periods/Week			Credits	MARKS IN EVALUATION SCHEME									Total Marks of Internal & External
		L	T	P		INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT						
						Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot		
3.1	Hydraulics and Hydraulic Machines	6	-	2	5	20	10	30	50	2 ½	20	3	70	100	
3.2	Concrete Technology	6	-	2	5	20	10	30	50	2 ½	20	3	70	100	
3.3	*Environmental Studies	3	-	2	3	20	10	30	50	2 ½	20	3	70	100	
3.4	Structural Mechanics	6	-	2	5	20	10	30	50	2 ½	20	3	70	100	
3.5	Building Construction	6	-	3	6	20	10	30	50	2 ½	20	3	70	100	
3.6	Building Drawings	-	-	8	3	-	40	40	60	3	-	-	60	100	
#Student Centred Activities (SCA)		-	-	2	1	-	30	30	-	-	-	-	-	30	
Total		27	-	21	28	100	120	220	310	-	100	-	410	630	

\* Common with other diploma programmes

# Student Centred Activities will comprise of co-curricular activities like extension lectures, self study, games, hobby clubs e.g. photography etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, disaster management and safety etc.

A. COMPULSORY SUBJECT OF I & II SEMESTER CIVIL ENGINEERING TO BE TAUGHT IN III & IV Sem. TO ITI PASSED STUDENTS OF TRADES ARE AS FOLLOWS :

Sr. No.	SUBJECTS	STUDY SCHEME Periods/Week			Credits	MARKS IN EVALUATION SCHEME								Total Marks of Internal & External
		L	T	P		INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT					
						Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot	
1.1	*Communication Skills-I	4	-	2	4	-	-	-	50	2 ½	20	3	70	70
1.2	*Applied Mathematics - I	5	-	-	4	-	-	-	50	2 ½	-	-	50	50
1.3	*Applied Physics – I	5	-	2	5	-	-	-	50	2 ½	20	3	70	70
1.4	*Applied Chemistry	5	-	2	5	-	-	-	50	2 ½	20	3	70	70
		19		6	18	-	-	-	200		60	-	260	260

\* Common with other diploma programmes

# Student Centred Activities will comprise of co-curricular activities like extension lectures, self study, games, hobby clubs e.g. photography etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, disaster management and safety etc.

(\* ) It is compulsory to appear & to pass in examination From III Semester To VI Semester, But credit/marks will not be included for division and percentage of obtained marks.

(\* ) Four Semester (Two Years) of Extra Time will be given after diploma curriculum period (If Required) to pass the above paper (1.1 To 1.4 and 2.1 to 2.2) examination (As Per G. O. No. 2221/16-Pra. Shi.-3-2009 Dated 28-08-2009) & Revised G.O. No. 2704/16-Pra.Shi.-3-2013-46(8)/2002 Dated 09-01-2013 and B.T.E Order No. Pra.Shi.Pa/C.D.C./2022/872021 Dated 21.02.22

FOURTH SEMESTER SCHEME FOR LATERAL ENTRY AND ITI PASSED STUDENTS (CIVIL ENGINEERING)

Sr. No.	SUBJECTS	STUDY SCHEME Periods/Week			Credits	MARKS IN EVALUATION SCHEME								Total Marks of Internal & External
		L	T	P		INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT					
						Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot	
4.1	*Communication Skill-II	4	-	2	4	20	10	30	50	2 ½	20	3	70	100
4.2	Highway Engineering	6	-	2	5	20	10	30	50	2 ½	20	3	70	100
4.3	Irrigation Engineering	5	-	-	4	20	-	20	50	2 ½	-	-	50	70
4.4	Surveying - I	4	-	8	6	20	10	30	50	2 ½	20	3	70	100
4.5	Reinforced Cement Concrete Structures (RCC Structures)	6	-	-	5	20	-	20	50	2 ½	-	-	50	70
4.6	*Energy Conservation	3	-	2	3	20	10	30	50	2 ½	20	3	70	100
4.7	RCC Drawing	-	-	4	2	-	20	20	50	3	-	-	50	70
#Student Centred Activities (SCA)		-	-	2	1	-	30	30	-	-	-	-	-	30
Total		28	-	20	30	120	90	210	350	-	80	-	430	640

\* Common with other diploma programmes

- **4 weeks industrial training will be organised after 4<sup>th</sup> Semester exam. The evaluation of industrial training will be done in 5<sup>th</sup> semester.**

# Student Centred Activities will comprise of co-curricular activities like extension lectures, self study, games, hobby clubs e.g. photography etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, disaster management and safety etc.

COMPULSORY SUBJECT OF I & II SEMESTER CIVIL ENGINEERING TO BE TAUGHT IN III & IV Sem. TO ITI PASSED STUDENTS OF TRADES ARE AS FOLLOWS :

Sr. No.	SUBJECTS	STUDY SCHEME Periods/Week			Credits	MARKS IN EVALUATION SCHEME							Total Marks of Internal & External	
		L	T	P		INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT					
						Th	Pr	Tot	Th	Hrs	Pr	Hrs		Tot
2.1	*Applied Mathematics - II	5	-	-	4	-	-	-	50	2 ½	-	-	50	50
<b>Total</b>		5	-	-	4	-	-	-	<b>50</b>	-	-	-	<b>50</b>	<b>50</b>

\* Common with other diploma programme

# Student Centred Activities will comprise of co-curricular activities like extension lectures, self study, games, hobby clubs e.g. photography etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, disaster management and safety etc.

Industrial training of 4 weeks duration to be organised after 4<sup>th</sup> semester exams

(\* ) It is compulsory to appear & to pass in examination From III Semester To VI Semester, But credit/marks will not be included for division and percentage of obtained marks.

(\* ) Four Semester (Two Years) of Extra Time will be given after diploma curriculum period (If Required) to pass the above paper (1.1 To 1.4 and 2.1) examination (As Per G. O. No. 2221/16-Pra. Shi.-3-2009 Dated 28-08-2009) & Revised G.O. No. 2704/16-Pra.Shi.-3-2013-46(8)/2002 Dated 09-01-2013 and B.T.E Order No. Pra.Shi.Pa/C.D.C./2022/872021 Dated 21.02.22

FIFTH SEMESTER SCHEME FOR LATERAL ENTRY AND ITI PASSED STUDENTS (CIVIL ENGINEERING)

Sr. No.	SUBJECTS	STUDY SCHEME			Credits	MARKS IN EVALUATION SCHEME								Total Marks of Internal & External
		Periods/Week				INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT					
		L	T	P		Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot	
-	Industrial Training	-	-	-	2	-	-	-	-	-	50	3	50	50
5.1	Water and Waste water Engineering	6	-	2	5	20	10	30	50	2 ½	20	3	70	100
5.2	Railways, Bridges and Tunnels	6	-	-	5	20	-	20	50	2 ½	-	-	50	70
5.3	Earthquake Engineering	4	-	-	3	20	-	20	50	2 ½	-	-	50	70
5.4	Soil Mechanics and Foundation Engineering	6	-	2	5	20	10	30	50	2 ½	20	3	70	100
5.5	Surveying-II	4	-	8	6	20	10	30	50	2 ½	20	3	70	100
5.6	Waste Water and Irrigation Engineering Drawing	-	-	6	2	-	20	20	50	3	-	-	50	70
5.7	Universal Human Values	2	-	1	1	-	20	20	-	-	30	3	30	50
#Student Centred Activities (SCA)		-	-	1	1	-	30	30	-	-	-	-	-	30
Total		28	-	20	30	100	100	200	300	-	140	-	440	640

# Student Centred Activities will comprise of co-curricular activities like extension lectures, self study, games, hobby clubs e.g. photography etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, disaster management and safety etc.  
Survey Camp of 2 weeks duration to be organized after 5<sup>th</sup> semester exam.

SIXTH SEMESTER SCHEME FOR LATERAL ENTRY AND ITI PASSED STUDENTS (CIVIL ENGINEERING)

Sr. No.	SUBJECTS	STUDY SCHEME			Credits	MARKS IN EVALUATION SCHEME							Total Marks of Internal & External	
		Periods/Week				INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT					
		L	T	P		Th	Pr	Tot	Th	Hrs	Pr	Hrs		Tot
-	Survey Camp	-	-	-	2	-	40	40	-	-	60	-	60	100
6.1	Quantity Surveying and Valuation	6	-	-	5	20	-	20	50	2 ½	-	-	50	70
6.2	Construction Management, Accounts and Entrepreneurship Development	5	-	-	4	20	-	20	50	2 ½	-	-	50	70
6.3	Design of Steel Structure	6	-	-	5	20	-	20	50	2 ½	-	-	50	70
6.4	Steel Structure Drawing	-	-	4	2	-	20	20	50	3	-	-	50	70
6.5	Software Applications in Civil Engineering	-	-	8	3	-	40	40	-	-	60	3	60	100
6.6	**Elective:	5	-	-	4	20	-	20	50	2 ½	-	-	50	70
6.7	Project Work	-	-	10	4	-	40	40	-	-	60	-	60	100
#Student Centred Activities (SCA)		-	-	4	1	-	30	30	-	-	-	-	-	30
Total		22	-	26	30	80	170	250	250	-	180	-	430	680

\*\*Elective :- Any one of the following:

6.6.1 Repair and Maintenance of Buildings

6.6.2 Plumbing Services

6.6.3 Analysis of Structures

# Student Centred Activities will comprise of co-curricular activities like extension lectures, self study, games, hobby clubs e.g. photography etc., seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, disaster management and safety etc.