

THIRD SEMESTER LATERAL AND ITI PASSED STUDENT SCHEME FOR CIVIL AND ENVIRONMENTAL 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			
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 AND ENVIRONMENTAL ENGINEERING TO BE TAUGHT IN III & IV Sem. TO ITI PASSED STUDENTS OF TRADES ARE AS FOLLOWS :

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		
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	
Total		19	-	6	18	-	-	-	200	-	60	-	260	260	

*Common with other diploma programmes

#Student centered Activities 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 self-study 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) 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 LATERAL AND ITI PASSED STUDENT SCHEME FOR CIVIL AND ENVIRONMENTAL 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	
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	Reinforced Cement Concrete (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 organized after 4th Semester exam. The evaluation of industrial training will be done in 5th semester.**

Student centered 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.

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

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	
2.1	*Applied Mathematics - II	5	-	-	4	-	-	-	50	2 ½	-	-	50	50
Total		5	-	-	4	-	-	-	50	-	-	-	50	50

*Common with other diploma programmes

+Common with diploma in Mechanical Engineering and Chemical Engineering.

#Student centered Activities 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 self-study 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) 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 LATERAL AND ITI PASSED STUDENT SCHEME FOR CIVIL AND ENVIRONMENTAL 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	Solid Waste Management	4	-	-	3	20	-	20	50	2 ½	-	-	50	70
5.4	Soil Mechanic sand 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 5th semester exam.

SIXTH SEMESTER LATERAL AND ITI PASSED STUDENT SCHEME FOR CIVIL AND ENVIRONMENTAL 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	Environmental Management	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

Student centered 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.