

STUDY SCHEME FOR THIRD SEMESTER LATERAL AND ITI PASSED STUDENTS

3rd SEMESTER {CIVIL AND ENVIRONMENTAL ENGINEERING }

Sr. No.	SUBJECTS	COURSE TYPE & CATEGORY	STUDY SCHEME Periods/Week			Credits	MARKS/ EVALUATION SCHEME									Total Marks of Internal & External
			L	T	P		INTERNAL ASSESSMENT			EXTERNAL ASSESSMENT						
							Th	Pr	Tot	Th	Hrs	Pr	Hrs	Tot		
3.1	CONSTRUCTION MATERIALS	PROGRAM CORE (PRACTICUM/THEORY)	02	-	02	2+1=3		40	40	60	3	-	-	60	100	
3.2	BASIC SURVEYING	PROGRAM CORE (THEORY)	01	-	-	1+0=1	40	-	40	60	3	-	-	60	100	
3.3	BASIC SURVEYING LAB	PROGRAM CORE (PRACTICAL)	-	-	04	0+2=2	-	60	60	-	-	40	3	40	100	
3.4	MECHANICS OF MATERIAL	PROGRAM CORE (THEORY)	02	-	-	2+0=2	40	-	40	60	3	-	-	60	100	
3.5	MECHANICS OF MATERIAL LAB	PROGRAM CORE (PRACTICAL)	-	-	02	0+1=1	-	60	60	-	-	40	3	40	100	
3.6	BUILDING CONSTRUCTION	PROGRAM CORE (PRACTICUM/THEORY)	02	-	02	2+1=3	40	-	40	60	3	-	-	60	100	
3.7	BUILDING PLANNING AND DRAWING	PROGRAM CORE (PRACTICUM/PRACTICAL)	01	-	04	1+2=3	-	60	60	-	-	40	3	40	100	
3.8	CONCRETE TECHNOLOGY	PROGRAM CORE (THEORY)	02	-	-	2+0=2	40	-	40	60	3	-	-	60	100	
3.9	CONCRETE TECHNOLOGY LAB	PROGRAM CORE (PRACTICAL)	-	-	04	0+2=2	-	60	60	-	-	40	3	40	100	
3.10	* MINOR PROJECT	PRACTICAL	-	-	-	1	-	50	50	-	-	-	-	-	50	
#STUDENT CENTERED ACTIVITIES			-	-	08	-	-	50	50	-	-	-	-	-	50	
Total			10	-	26	20	160	380	540	300	-	160	-	460	1000	

*Lateral entry students shall undertake a minor project and deliver a presentation on the same. This project will serve as an equivalent to Summer Internship-I for the purpose of earning the associated credits and marks..

Student Centered Activities will comprise of co-curricular activities like extension lectures, games, hobby club, etc., seminars, declamation contests, educational field visits, N.C.C., NSS, library, Cultural Activities and self-study etc.

- 1) Each period will be 60 minutes duration.
- 2) Each session will be of 16 weeks.
- 3) Effective teaching will be at least 14 weeks.

A. COMPULSORY SUBJECT OF I-SEMESTER CIVIL AND ENVIRONMENTAL ENGINEERING TO BE TAUGHT IN III SEMESTER 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	*Mathematics-I	2	1	-	3+0=3	40	-	40	60	3	-	-	60	100	
1.2	*AppliedPhysics-I	3	-	2	3+1=4	40	60	100	60	3	40	3	100	200	
1.3	*AppliedChemistry	3	-	2	3+1=4	40	60	100	60	3	40	3	100	200	
1.4	*CommunicationSkillsin English	3	-	2	3+1=4	40	60	100	60	3	40	3	100	200	
TOTAL		8	1	6	15	160	180	340	240		120		360	700	

(*) 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 2.1To 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

4th SEMESTER {CIVIL AND ENVIRONMENTAL ENGINEERING}

Sr. No.	SUBJECTS	COURSE TYPE & CATEGORY	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	HYDRAULICS	PROGRAM CORE (THEORY)	02	-	-	2+0=2	40	-	40	60	3	-	-	60	100	
4.2	HYDRAULICS LAB	PROGRAM CORE (PRACTICAL)	-	-	02	0+1=1	-	60	60	-	-	40	3	40	100	
4.3	ADVANCE SURVEYING	PROGRAM CORE (THEORY)	02	-	-	2+0=2	40	-	40	60	3	-	-	60	100	
4.4	ADVANCE SURVEYING LAB	PROGRAM CORE (PRACTICAL)	-	-	04	0+2=2	-	60	60	-	-	40	3	40	100	
4.5	THEORY OF STRUCTURE	PROGRAM CORE (THEORY)	02	01	-	3+0=3	40	-	40	60	3	-	-	60	100	
4.6	DESIGN OF REINFORCED CEMENT CONCRETE STRUCTURES	PROGRAM CORE (THEORY)	02	01	-	3+0=3	40	-	40	60	3			60	100	
4.7	REINFORCED CEMENT CONCRETE STRUCTURES DRAWING	PROGRAM CORE (PRACTICUM/PRACTICAL)	01	-	04	1+2=3		60	60	-	-	40	3	40	100	
4.8	WATER RESOURCE ENGINEERING	PROGRAM CORE (THEORY)	02		-	2+0=2	40	-	40	60	3			60	100	
4.9	PUBLIC HEALTH ENGINEERING	PROGRAM CORE (PRACTICUM/THEORY)	01	-	02	1+1=2		40	40	60	3	-	-	60	100	
4.10	(Q) ESSENCE OF INDIAN KNOWLEDGE AND TRADITION	AUDIT COURSE	02	-	-	-	50*	-	50*	-	-	-	-	-	-	
#STUDENT CENTERED ACTIVITIES			-	-	08	-	-	50	50	-	-	-	-	-	50	
Total			14	02	20	20	200	270	470	360	-	120	-	480	950	

Note -(Q) - It is compulsory to appear & to pass in examination, But marks will not be included for division and percentage of obtained marks.

Advance Skill Development:-

To fulfill the requirements for Advanced Skill Development, a minimum of 20 hours of skill certification is necessary. This certification must be obtained from a recognized national or international agency or institute. The assessment and certification process will be conducted by the respective agency or institute. Students must present their certificate to earn 02 credits for this subject.

** SUMMER INTERNSHIP (4-6 WEEKS) duration to be organized after fourth semester exam. Evaluation will be in fifth semester.

Student Centered Activities will comprise of co-curricular activities like extension lectures, games, hobby club, se.g. photography etc., seminars, declamation contests, educational field visits, N.C.C., NSS, library, Cultural Activities and self-study etc. .

B. COMPULSORY SUBJECT OF II- SEMESTER CIVIL AND ENVIRONMENTAL ENGINEERING TO BE TAUGHT IN IV SEMESTER 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	*Mathematics-II	3	1	-	4+0=4	40	-	40	60	3	-	-	60	100	
2.2	*AppliedPhysics-II	3	-	2	3+1=4	40	60	100	60	3	40	3	100	200	
TOTAL		6	1	2	8	80	60	140	120	-	40	-	160	300	

(*) 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 2.1To 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