

SCHEME OF EXAMINATION FOR B.TECH. I – SEMESTER (CIVIL ENGG.) DEGREE COURSE

Course No.	Subject	Teaching Schedule				Credit Points
		L	T	P/D	Total	
HSIR11	Communication Skills in English	2	0	2	4	3
MAIR11	Differential Calculus & Differential Equations	3	1	0	4	4
PHIR11	Physics – I (Theory & Lab)	2	1	2	5	4
CHIR11	Environmental Studies	2	0	2	4	3
CSIR11	Basics of Programming (Theory & Lab)	2	0	2	4	3
CEIR12	Engineering Mechanics	2	0	0	2	2
CEIR11 / MEIR11	Engineering Graphics */ Engineering Practice *	1	0	3	4	2
SWIR11	NCC/Sports/Yoga	0	0	2	2	1
	Total	14	2	13	29	22

* For half of the student strength

SCHEME OF EXAMINATION FOR B.TECH. II – SEMESTER (CIVIL ENGG.) DEGREE COURSE

Course No.	Subject	Teaching Schedule				Credit Points
		L	T	P/D	Total	
HSIR12	Economics for Engineers	2	1	0	3	3
MAIR12	Integral Calculus & Difference Equations	3	1	0	4	4
PHIR12	Physics – II (Theory & Lab)	2	1	2	5	4
CHIR12	Chemistry (Theory & Lab)	2	1	2	5	4
CEPC12	Building Construction and Materials	3	0	0	3	3
CEPC14	Structural Analysis – I	3	0	0	3	3
CEPC16	Fluid Mechanics	3	1	0	4	4
CELR12	Material Testing (Practical)	0	0	2	2	1
CELR14	Fluid Mechanics (Practical)	0	0	2	2	1
CEIR11 / MEIR11	Engineering Graphics */ Engineering Practice *	1	0	3	4	2
	Total	19	5	11	35	29

*** For half of the student strength**

SCHEME OF EXAMINATION FOR B.TECH. III – SEMESTER (CIVIL) DEGREE COURSE

Course No.	Subject	Teaching Schedule				Credit Points
		L	T	P/D	Total	
MAIR13	Numerical & Statistical Methods	3	1	0	4	4
CEPC21	Structural Analysis – II	3	1	0	4	4
CEPC23	Surveying – I	3	1	0	4	4
CEPC25	Design of Steel Structures	3	0	2	5	4
CEPC27	Water Supply & Treatment	3	1	0	4	4
CEPC29	Irrigation Engineering	3	1	0	4	4
CELR21	Structural Analysis (Practical)	0	0	2	2	1
CELR23	Surveying – I (Practical)	0	0	3	3	1
CELR25	Environmental Engineering – I (Practical)	0	0	2	2	1
	Total	18	5	9	32	27

SCHEME OF EXAMINATION FOR B.TECH. IV – SEMESTER (CIVIL) DEGREE COURSE

Course No.	Subject	Teaching Schedule				Credit Points
		L	T	P/D	Total	
CEPC22	Design of Concrete Structures – I	3	0	2	5	4
CEPC24	Soil Mechanics	3	1	0	4	4
CEPC26	Transportation Engineering – I	3	1	0	4	4
CEPC28	Surveying – II	3	1	0	4	4
CELR22	Computational Hydraulics (Practical)	0	0	2	2	1
CELR24	Surveying – II (Practical)	0	0	3	3	1
CELR26	Soil Mechanics (Practical)	0	0	2	2	1
CELR28	Transportation Engineering – I (Practical)	0	0	2	2	1
	Total	12	3	11	26	20

Survey Camp during summer vacation after 4th semester

SCHEME OF EXAMINATION FOR B.TECH. V – SEMESTER (CIVIL) DEGREE COURSE

Course No.	Subject	Teaching Schedule				Credit Points
		L	T	P/D	Total	
CEPC31	Design of Concrete Structures – II	3	0	2	5	4
CEPC33	Geotechnology – I	3	1	0	4	4
CEPC35	Hydrology & Water Resources Engineering	3	1	0	4	4
CEPC37	Sewerage & Sewage Treatment	3	1	0	4	4
CEPC39	Transportation Engineering – II	3	1	0	4	4
CELR31	Geotechnology (Practical)	0	0	2	2	1
CELR33	Transportation Engineering – II (Practical)	0	0	2	2	1
CEPE39	Programme Elective – I (Computational Practical)	0	0	2	2	1
CELR35	Survey Camp	-	-	-	-	3
	Total	15	4	8	27	26

SCHEME OF EXAMINATION FOR B.TECH. VI – SEMESTER (CIVIL) DEGREE COURSE

Course No.	Subject	Teaching Schedule				Credit Points
		L	T	P/D	Total	
CEIR32	Industrial Training* / Project Work	0	0	20 (5)**	20 (5)**	10

* To be monitored at the Institute Level

** Teaching Load

SCHEME OF EXAMINATION FOR B.TECH. VII – SEMESTER (CIVIL) DEGREE COURSE

Course No.	Subject	Teaching Schedule				Credit Points
		L	T	P/D	Total	
CEPC41	Bridge Engineering	3	1	0	4	4
CEPC43	Railway & Airport Engineering	3	0	0	3	3
CEPC45	Geotechnology – II	3	1	0	4	4
CEPC47	Construction Management, Estimating and Costing	3	0	0	3	3
OE	Open Elective – I	3	1	0	4	4
CEPE	Programme Elective – II (Project)	0	0	6	6	3
CEPE	Programme Elective – III (Seminar)	0	1	0	1	1
HSIR14	Business Management	3	1	0	4	4
	Total	18	5	6	30	26

SCHEME OF EXAMINATION FOR B.TECH. VIII – SEMESTER (CIVIL) DEGREE COURSE

Course No.	Subject	Teaching Schedule				Credit Points
		L	T	P/D	Total	
CEPC42	Open Channel Hydraulics	3	0	0	3	3
CEPC44	Industrial Waste Water Treatment	3	0	0	3	3
CEPE	Programme Elective – IV (Theory)	3	0	0	3	3
OE	Open Elective – II	3	1	0	4	4
OE	Open Elective – III	3	1	0	4	4
CELR42	Environmental Engineering – II (Practical)	0	0	2	2	1
HSIR13	Professional Ethics and IPR	1	0	2	3	2
CEIR42	Comprehensive Viva Voce	0	0	0	0	3
	Total	16	2	4	22	23