



B.E – CIVIL ENGINEERING
(FOUR YEAR FULL TIME)
REGULATION 2007

SEMESTER - I

Sub. Code	Name of the subject	L	T	P	C
	THEORY				
XCE 101	Technical English	3	1	0	4
XCE 102	Mathematics- I	3	1	0	4
XCE 103	Applied Physics	3	1	0	4
XCE 104	Applied Chemistry	3	1	0	4
XCE 105	Engineering Graphics	2	0	3	4
XCE 106	Engineering Mechanics	3	1	0	4
	PRACTICALS				
XCE 107	Applied Physics Lab	0	0	3	2
XCE 108	Applied chemistry Lab	0	0	3	2
XCE 109	Basic Workshop Practice	0	0	3	2
	NCC/NSS/NSO	0	0	0	0
	TOTAL	17	5	12	30

SEMESTER – I I

Sub. Code	Name of the subject	L	T	P	C
	THEORY				
XCE 201	Mathematics – II	3	1	0	4
XCE 202	Environmental Science and Engineering	3	0	0	3
XCE 203	Computer Programming	4	0	0	4
XCE 204	Basic Electrical & Electronics Engineering	3	0	0	3
XCE 205	Building Materials & Geology	3	0	0	3
XCE 206	Building Planning and Drawing	4	0	0	4
	PRACTICALS				
XCE 207	Computer Programming Laboratory	0	0	3	2
XCE 208	Communication Skills Enhancement	2	0	2	3

	NSS/NCC/NSO	0	0	0	0
	TOTAL	22	1	5	26

SEMESTER III

Sub. Code	Name of the subject	L	T	P	C
	THEORY				
XCE 301	Numerical Methods	3	1	0	4
XCE 302	Mechanics of solids-I	3	1	0	4
XCE 303	Mechanics of Fluids-I	3	1	0	4
XCE 304	Surveying –I	3	1	0	4
XCE 305	Geo-technical Engineering - I	3	1	0	4
XCE 306	Construction and Concrete Technology	3	0	0	3
	PRACTICAL				
XCE 307	Surveying Practical - I	0	0	3	2
XCE 308	Strength of Materials and Concrete Technology Lab	0	0	4	2
	TOTAL	18	5	7	27

SEMESTER – IV

Sub. Code	Name of the subject	L	T	P	C
	THEORY				
XCE 401	Mechanics of solids II	3	1	0	4
XCE 402	Mechanics of Fluids-II	3	1	0	4
XCE 403	Surveying –II	3	1	0	4
XCE 404	Geo-technical Engineering-II	3	1	0	4
XCE 405	Water Resources Engineering	3	0	0	3
XCE 406	Building Services	3	0	0	3
	PRACTICAL				
XCE 407	Fluid Mechanics Lab-I	0	0	3	2
XCE 408	Surveying Practical - II	0	0	3	2
	TOTAL	18	4	6	26

Semester V

Sub. Code	Name of the subject	L	T	P	C
	THEORY				
XCE 501	Environmental Engineering-I	3	1	0	4
XCE 502	Structural Analysis - I	3	1	0	4
XCE 503	Reinforced Concrete Structures – I	3	1	0	4
XCE 504	Irrigation Engineering	3	0	0	3
XCE 505	Transportation Engineering – I	3	0	0	3
XCE 506	Hydrology	3	0	0	3
	PRACTICAL				
XCE 507	Irrigation and Environmental Engineering Design and Drawing	0	0	6	3
XCE 508	Geo technical Laboratory	0	0	3	2
	TOTAL	18	3	9	26

Semester VI

Sub. Code	Name of the subject	L	T	P	C
	THEORY				
XCE 601	Environmental Engg. – II	3	1	0	4
XCE 602	Structural Analysis – II	3	1	0	4
XCE 603	Reinforced Concrete Structures- II	3	1	0	4
XCE 604	Transportation Engineering II	3	0	0	3
XCE 605	Design of Steel Structures	3	1	0	4
XCE 606*	Elective I	3	0	0	3
	PRACTICAL				
XCE 607	RCC and steel structures design and Drawing	0	0	4	2
XCE 608	Environmental Engineering Lab	0	0	4	2
	TOTAL	18	4	8	26

Semester VII

Sub. Code	Name of the subject	L	T	P	C
	THEORY				
XCE 701	Estimation, Costing and Valuation	3	1	0	4
XCE 702	Computational Methods in Structural Engineering	3	1	0	4
XCE 703	GIS and Remote Sensing	3	0	0	3
XCE 704	Project Management and Engineering Economics	3	0	0	3
XCE 705*	Elective – II	3	0	0	3
XCE 706*	Elective – III	3	0	0	3
	PRACTICAL				
XCE 707	Computer Aided Design	0	0	4	2
XCE 708	Mini Project	0	0	12	6
	TOTAL	18	2	16	28

Semester VIII

Sub. Code	Name of the subject	L	T	P	C
	THEORY				
XCE 801	Construction Techniques, Equipments and practices Management	3	0	0	3
XCE 802*	Elective IV	3	0	0	3
XCE 803*	Elective – V	3	0	0	3
	PRACTICAL				
XCE 804	Main Project	0	0	20	10
	TOTAL	9	0	20	19

* denotes A, B, C, D and E

TOTAL CREDITS 208

LIST OF ELECTIVES

ELECTIVE I

Sub. Code	Name of the subject	L	T	P	C
XCE 606 A	Professional Ethics and Human Values	3	0	0	3
XCE 606 B	Photogrammetry	3	0	0	3
XCE 606 C	Advanced Surveying	3	0	0	3
XCE 606 D	Town Planning	3	0	0	3
XCE 606 E	Pavement Engineering	3	0	0	3

ELECTIVE II

Sub. Code	Name of the subject	L	T	P	C
XCE 705 A	Advanced Foundation Engineering	3	0	0	3
XCE 705 B	Ground Water Hydrology	3	0	0	3
XCE 705 C	Industrial Waste water Treatment	3	0	0	3
XCE 705 D	Tall buildings	3	0	0	3
XCE 705 E	TOTAL Quality Management	3	0	0	3

ELECTIVE III

Sub. Code	Name of the subject	L	T	P	C
XCE 706 A	Ground Improvement Techniques	3	0	0	3
XCE 706 B	Wind and Earthquake Engineering	3	0	0	3
XCE 706 C	Prestressed concrete	3	0	0	3
XCE 706 D	Repair and Rehabilitation of Structures	3	0	0	3
XCE 706 E	Industrial Building	3	0	0	3

ELECTIVE IV

Sub. Code	Name of the subject	L	T	P	C
XCE 802 A	Valuation of Properties	3	0	0	3
XCE 802 B	Air Pollution Engineering	3	0	0	3
XCE 802 C	Ground Improvement Techniques	3	0	0	3
XCE 802 D	Theory of Plates and Shells	3	0	0	3
XCE 802 E	Soil Structure Interaction	3	0	0	3

ELECTIVE V

Sub. Code	Name of the subject	L	T	P	C
XCE 803 A	Computational Flow Dynamics	3	0	0	3
XCE 803 B	Finite Element Method	3	0	0	3
XCE 803 C	Prefabricated Structures	3	0	0	3
XCE 803 D	Municipal Solid Waste and Management	3	0	0	3
XCE 803 E	Computer Aided Design of Structures	3	0	0	3