

B.E. - CIVIL ENGINEERING
(THREE YEAR FULL TIME)
REGULATION 2007

SEMESTER - I

Sub. Code	Name of the subject	L	T	P	C
	THEORY				
UCE 101	Mathematics- I	3	1	0	4
UCE 102	Energy and Environmental Engineering	3	0	0	3
UCE 103	Mechanics of Solids - I	3	1	0	4
UCE 104	Surveying-I	3	0	0	3
UCE 105	Building Materials & Geology	3	0	0	3
UCE 106	Construction and Concrete technology	3	0	0	3
	PRACTICALS				
UCE 107	Computer Aided Building Drawing	0	0	3	2
UCE 108	Survey Lab	0	0	3	2
	NSS/NCC/NSO	0	0	0	0
	TOTAL	18	2	6	24

SEMESTER – II

Sub. Code	Name of the subject	L	T	P	C
	THEORY				
UCE 201	Mathematics – II	3	1	0	4
UCE 202	Surveying - II	3	0	0	3
UCE 203	Mechanics of Solids - II	3	1	0	4
UCE 204	Fluid Mechanics & Hydraulic Machinery	3	1	0	4
UCE 205	Geo-technical Engineering I	3	0	0	3
UCE 206	Transportation Engineering I	3	0	0	3
	PRACTICALS				
UCE 207	Concrete Technology and Strength of Material Lab	0	0	3	2

UCE 208	Geotechnical Engineering Lab	0	0	3	2
	NSS/NCC/NSO	0	0	0	0
	TOTAL	18	3	6	25

SEMESTER – III

Sub. Code	Name of the subject	L	T	P	C
	THEORY				
UCE 301	Numerical Methods	3	1	0	4
UCE 302	Structural Analysis-I	3	1	0	4
UCE 303	Reinforced concrete Structures-I	3	1	0	4
UCE 304	Environmental Engineering	3	0	0	3
UCE 305	Geo-technical Engineering - II	3	0	0	3
UCE 306	Transportation Engineering-II	3	0	0	3
	PRACTICAL				
UCE 307	Fluid Mechanics Lab	0	0	3	2
UCE 308	Environmental Engineering Lab	0	0	3	2
	TOTAL	18	3	6	25

SEMESTER – IV

Sub. Code	Name of the subject	L	T	P	C
	THEORY				
UCE 401	Structural Analysis-II	3	1	0	4
UCE 402	Reinforced Concrete Structure-II	3	1	0	4
UCE 403	Design of Steel Structures	3	1	0	4
UCE 404	Hydrology	3	0	0	3
UCE 405	Irrigation Engineering	3	0	0	3
UCE 406	Building Services	3	0	0	3
	PRACTICAL				
UCE 407	Irrigation and Environmental Engineering Design and Drawing	0	0	6	3

UCE 408	RCC and Steel Design and Drawing	0	0	6	3
	TOTAL	18	3	12	27

SEMESTER – V

Sub. Code	Name of the subject	L	T	P	C
	THEORY				
UCE 501	Estimation & Costing and Valuation	3	0	0	3
UCE 502	Project Management and Engineering Economics	3	0	0	3
UCE 503	Computational Methods in Structural Engineering	3	1	0	4
UCE 504	Remote sensing and GIS	3	1	0	4
UCE 505*	Elective I	3	0	0	3
UCE 506*	Elective II	3	0	0	3
	PRACTICAL				
UCE 507	Computer Aided Design	0	0	3	2
UCE 508	Mini project	0	0	14	7
	TOTAL	18	2	17	29

SEMESTER – VI

Sub. Code	Name of the subject	L	T	P	C
	THEORY				
UCE 601	Construction Techniques, Equipments and Practices	3	0	0	3
UCE 602	Water Resources Engineering	3	0	0	3
UCE 603*	Elective III	3	0	0	3
UCE 604*	Elective IV	3	0	0	3
	PRACTICAL				
UCE 605	Main Project	0	0	20	10
	TOTAL	12	0	20	22

TOTAL CREDITS: 152

LIST OF ELECTIVES

ELECTIVE I

Sub. Code	Name of the subject	L	T	P	C
UCE 505 A	Professional Ethics and Human Values	3	0	0	3
UCE 505 B	Photogrammetry	3	0	0	3
UCE 505 C	Advanced Surveying	3	0	0	3
UCE 505 D	Town Planning	3	0	0	3
UCE 505 E	Pavement Engineering	3	0	0	3

ELECTIVE II

Sub. Code	Name of the subject	L	T	P	C
UCE 506 A	Advanced Foundation Engineering	3	0	0	3
UCE 506 B	Ground Water Hydrology	3	0	0	3
UCE 506 C	Industrial Waste water Treatment	3	0	0	3
UCE 506 D	Tall buildings	3	0	0	3
UCE 506 E	TOTAL Quality Management	3	0	0	3

ELECTIVE III

Sub. Code	Name of the subject	L	T	P	C
UCE 603 A	Ground Improvement Techniques	3	0	0	3
UCE 603 B	Wind and Earthquake Engineering	3	0	0	3
UCE 603 C	Prestressed concrete	3	0	0	3
UCE 603 D	Repair and Rehabilitation of Structures	3	0	0	3
UCE 603 E	Industrial Building	3	0	0	3

ELECTIVE IV

Sub. Code	Name of the subject	L	T	P	C
UCE 604 A	Valuation of Properties	3	0	0	3
UCE 604 B	Air Pollution Engineering	3	0	0	3
UCE 604 C	Ground Improvement Techniques	3	0	0	3
UCE 604 D	Theory of Plates and Shells	3	0	0	3
UCE 604 E	Soil Structure Interaction	3	0	0	3