Civil Engineering

Semester III

Subject code	Subject name	Teaching Scheme (Hours)			Credits	Theory Marks		Practical Marks		Total Marks	Branch Code
		Theory	Tutorial	Practical		ESE(E)	PA (M)	Viva (V)	PA(I)		
	Advanced Engineering Mathematics	3	2	0	5	70	30	30	20	150	6
	Mechanics of Solids	4	0	2	6	70	30	30	20	150	6
	Surveying	3	0	2	5	70	30	30	20	150	6
	Fluid Mechanics	3	0	2	5	70	30	30	20	150	6
	Building Construction	3	1	0	4	70	30	30	20	150	6
	Geotechnics & Applied Gepology	3	0	2	5	70	30	30	20	150	6
	Total	19	3	8	30						

Semester IV

Subject code	Subject name	Teaching Scheme (Hours)			Credits	Theory Marks		Practical Marks		Total Marks	Branch Code
		Theory	Tutorial	Practical		ESE(E)	PA (M)	Viva (V)	PA(I)		
	Maths - 4 or Branch specific Maths	3	2	0	5	70	30	30	20	150	6
	Engineering Economics and Management	3	0	0	3	70	30	0	0	100	6
	Structural Analysis-I	4	2	0	6	70	30	30	20	150	6
	Buliding & Town Planning	4	0	2	6	70	30	30	20	150	6
	Advanced Surveying	3	0	2	5	70	30	30	20	150	6
	Concrete Technology	3	0	2	5	70	30	30	20	150	6
	Total	20	4	6	30						

Semester V

Subject code	Subject name	Teaching Scheme (Hours)			Credits	Theory Marks		Practical Marks		Total Marks	Branch Code
		Theory	Tutorial	Practical		ESE(E)	PA (M)	Viva (V)	PA(I)		
	Open elective/Interdisciplinary	3	0	2	5	70	30	30	20	150	6
	Highway Engineering	3	0	2	5	70	30	30	20	150	6
	Hydrology & Water Resources Engineering	3	1	0	4	70	30	30	20	150	6
	Environmental Engineering	3	0	2	5	70	30	30	20	150	6
	Structural Analysis-II	4	2	0	6	70	30	30	20	150	6
	Soil Mechanics	3	0	2	5	70	30	30	20	150	6
	Total	19	3	8	30						

Semester VI

Subject code	Subject name	Teaching Scheme (Hours)			Credits	Theory Marks		Practical Marks		Total Marks	Branch Code
		Theory	Tutorial	Practical		ESE(E)	PA (M)	Viva (V)	PA(I)		
	Departmental Elective - I	4	2	0	6	70	30	30	20	150	6
	Advance Construction & Equipments	3	1	0	4	70	30	30	20	150	6
	Advanced Fluid Mechanics	3	0	2	5	70	30	30	20	150	6
	Elementary Structural Design	4	2	0	6	70	30	30	20	150	6
	Railway, Bridge & Tunnel Engineering	3	1	0	4	70	30	30	20	150	6
	Water & Waste Water Engineering	3	0	2	5	70	30	30	20	150	6
	Total	20	6	4	30						

Semester VII

Subject code	Subject name	Teaching Scheme (Hours)			Credits	Theory Marks		Practical Marks		Total Marks	Branch Code
		Theory	Tutorial	Practical		ESE(E)	PA (M)	Viva (V)	PA(I)		
	Departmental Elective - II	4	2	0	6	70	30	30	20	150	6
	Professional Practices & Valuation	3	2	0	5	70	30	30	20	150	6
	Irrigation Engineering	4	2	0	6	70	30	30	20	150	6
	Design of Reinforced Concrete Structures	4	2	0	6	70	30	30	20	150	6
	Earthquake Engineering	3	0	0	3	70	30	30	20	150	6
	IDP/UDP-I	0	0	4	4	0	0	100	50	150	6
	Total	18	8	4	30						

Semester VIII

Subject code	Subject name	Teaching Scheme (Hours)			Credits	Theory Marks		Practical Marks		Total Marks	Branch Code
		Theory	Tutorial	Practical		ESE(E)	PA (M)	Viva (V)	PA(I)		
	Departmental Elective - III	4	2	0	6	70	30	30	20	150	6
	Construction Management	3	1	0	4	70	30	30	20	150	6
	Harbour & Airport Engineering	3	1	0	4	70	30	30	20	150	6
	Design of Steel Structures	3	1	0	4	70	30	30	20	150	6
	Foundation Engineering	3	0	1	4	70	30	30	20	150	6
	IDP/UDP-II	0	0	8	8	0	0	100	50	150	6
	Total	16	5	9	30						

Department Elective-I
Urban Transportation system
Computational Mechanics

Department Elective-II
Application of Geoinformatics in Civil Engineering
Repairs & Rehabilitation of Concrete Structures
Design of masonary structures
Air Pollution Control

Department Elective-III
Irrigation water Management
Design of Prestressed Concrete Structures
Design of Hydrauilic Structures
Design of Bridges

Open/ Interdiciplinary Elective
Mechanics of Materials
Disaster Assessment using Geospatial Techniques

Note: ALA Component, OEP Component and Design Module I, II and III (to be offered in 2nd Year , 3rd year and 4th year respectively) shall be displayed in the final teaching scheme