



Semester - 1

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203200101	Research Methodology & IPR	2.00	2	0	0	20	-	20	60	-	50	-	100
203209101	Advanced Structural Analysis	3.00	3	0	0	20	-	20	60	-	50	-	100
203209102	Design of Advanced Concrete Structures	3.00	3	0	0	20	-	20	60	-	50	-	100
203209103	Design of Advanced Concrete Structures Lab	2.00	0	4	0	-	50	-	-	50	-	50	100
203209104	Advanced Concrete Lab	2.00	0	4	0	-	50	-	-	50	-	50	100
	AUDIT-1 (Compulsory Subjects :1)	0.00	2	0	0	40	-	-	60	-	-	-	100
	Elective - 1 (Compulsory Subjects :1)	3.00	3	0	0	40	-	-	60	-	-	-	100
	Elective - 2 (Compulsory Subjects :1)	3.00	3	0	0	40	-	-	60	-	-	-	100
	Total	18.00	16	8	0								800

Semester - 1 AUDIT-1

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203200102	English for Research Paper Writing	0.00	2	0	0	20	-	20	60	-	50	-	100
203200103	Disaster Management	0.00	2	0	0	20	-	20	60	-	50	-	100
203200104	Sanskrit for Technical Knowledge	0.00	2	0	0	20	-	20	60	-	50	-	100
203200105	Value Education	0.00	2	0	0	20	-	20	60	-	50	-	100

Semester - 1 Elective - 1

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203209130	Theory of Thin Plates and Shells	3.00	3	0	0	20	-	20	60	-	50	-	100
203209131	Theory and Applications of Cement Composites	3.00	3	0	0	20	-	20	60	-	50	-	100
203209132	Theory of Structural Stability	3.00	3	0	0	20	-	20	60	-	50	-	100
	Design of Bridges	3.00	3	0	0	20	-	20	60	-	50	-	100

Semester - 1 Elective - 2

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203209133	Analytical and Numerical Methods for Structural Engineering	3.00	3	0	0	20	-	20	60	-	50	-	100
203209134	Structural Health Monitoring	3.00	3	0	0	20	-	20	60	-	50	-	100
203209135	Structural Optimization	3.00	3	0	0	20	-	20	60	-	50	-	100
	Advanced Solid Mechanics	3.00	3	0	0	20	-	20	60	-	50	-	100

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 50 Practical Passing % : 50



Semester - 2 AUDIT-2

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203200151	Constitution of India	0.00	-	-	2	-	40	60	-	-	-	50	100
203200152	Pedagogy Studies	0.00	-	-	2	-	40	60	-	-	-	50	100
203200153	Stress Management by Yoga	0.00	-	-	2	-	40	60	-	-	-	50	100
203200154	Personality Development through Life Enlightenment Skills	0.00	-	-	2	-	40	60	-	-	-	50	100

Semester - 2

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203209151	Seminar & Mini Project	2.00	0	4	0	-	50	-	-	50	-	50	100
203209152	FEM in Structural Engineering	3.00	3	0	0	20	-	20	60	-	50	-	100
203209153	Advanced design of Steel Structures	3.00	3	0	0	20	-	20	60	-	50	-	100
203209154	Soft Computing for Structural Engineering	2.00	0	4	0	-	50	-	-	50	-	50	100
203209155	Structural Dynamics	2.00	2	0	0	-	50	-	-	50	-	50	100
	AUDIT-2 (Compulsory Subjects :1)	0.00	-	-	2	-	100	-	-	-	-	-	100
	AUDIT-2 (Compulsory Subjects :1)	0.00	-	-	2	-	100	-	-	-	-	-	100
	Elective - 3 (Compulsory Subjects :1)	3.00	3	0	0	40	-	-	60	-	-	-	100
	Elective - 4 (Compulsory Subjects :1)	3.00	3	0	0	40	-	-	60	-	-	-	100
	Total	18.00	12	8	4								900

Semester - 2 Elective - 3

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203209180	Design of Blast Resistant Structures	3.00	3	0	0	20	-	20	60	-	50	-	100
203209181	Design of Earthquake Resistant Structures	3.00	3	0	0	20	-	20	60	-	50	-	100
203209182	Design of High-Rise Structures	3.00	3	0	0	20	-	20	60	-	50	-	100
203209183	Condition Assessment and Retrofitting of Structures	3.00	3	0	0	20	-	20	60	-	50	-	100

Semester - 2 Elective - 4

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203209184	Design of Off Shore Structures	3.00	3	0	0	20	-	20	60	-	50	-	100
203209185	Advanced Design of Foundations	3.00	3	0	0	20	-	20	60	-	50	-	100
203209186	Soil Structure Interaction	3.00	3	0	0	20	-	20	60	-	50	-	100
203209187	Design of Industrial Structures	3.00	3	0	0	20	-	20	60	-	50	-	100

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 50 Practical Passing % : 50



Semester - 3 Open Elective

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203200201	Business Analytics	3.00	3	0	0	20	-	20	60	-	50	-	100
203200202	Industrial Safety	3.00	3	0	0	20	-	20	60	-	50	-	100
203200203	Operation Research	3.00	3	0	0	20	-	20	60	-	50	-	100
203200204	Condition Monitoring and Reliability Assessment	3.00	3	0	0	20	-	20	60	-	50	-	100
203200205	Composite Materials	3.00	3	0	0	20	-	20	60	-	50	-	100
203200206	Waste to Energy	3.00	3	0	0	20	-	20	60	-	50	-	100

Semester - 3

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203209201	Dissertation Phase I	10.00	0	20	0	-	100	-	-	100	-	100	200
	Elective-5 (Compulsory Subjects :1)	3.00	3	0	0	40	-	-	60	-	-	-	100
	Open Elective (Compulsory Subjects :1)	3.00	3	0	0	40	-	-	60	-	-	-	100
	Total	16.00	6	20	0								400



Semester - 3 Elective-5

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203209230	Design of Prestressed Concrete Structures	3.00	3	0	0	20	-	20	60	-	50	-	100
203209231	Analytical and Finite Element Analysis of Laminated Composite Plates	3.00	3	0	0	20	-	20	60	-	50	-	100
203209232	Fracture Mechanics of Concrete Structures	3.00	3	0	0	20	-	20	60	-	50	-	100
203209233	Structural Materials	3.00	3	0	0	20	-	20	60	-	50	-	100

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 50 Practical Passing % : 50



Semester - 4

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
203209251	Dissertation Phase II	16.00	0	32	0	-	100	-	-	100	-	100	200
	Total	16.00	0	32	0								200

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 50 Practical Passing % : 50