B. Tech. Year I, Sem I							Evaluation Scheme					
Subject Code	Subject Name	Category	Teaching Scheme (Hours)			Credits	Theory Marks			Tutorial/ Practical Marks		Total Marks
			Theory	Tutorial	Practical		ESE(E)	IA	CSE	Viva (V)	Term work (TW)	
01MA2101	Differential and Integral Calculus	BSC	3	2	0	5	50	30	20	25	25	150
01CI1101	Elements of Civil Engineering	ESC	3	0	2	4	50	30	20	25	25	150
01ME1101	Elements of Mechanical Engineering	ESC	3	0	2	4	50	30	20	25	25	150
01GS2101	Engineering Physics / Chemistry	BSC	3	0	2	4	50	30	20	25	25	150
01SL0102 / 01SL0103	Reading & Writing for Technology / Speaking & Presentation Skills	HSMC	2	0	0	2	–	30	20	25	25	100
01EN1101	Basics of Environmental Studies	MC-NC	2	0	0	0	50	30	20	–	–	100
01CR1103	Value Education	HSMC	2	0	0	0	–	–	–	50	50	100
01GS0103	Indian Constitution	MC-NC	1	0	0	0	–	–	–	–	–	–
01CR0105	Verbal Ability – 1	Audit Course	1	0	0	0	50	–	–	–	50	100
	Total	28	20	2	6	19	300	180	120	175	225	1000

B. Tech. Year I, Sem II			Teaching Scheme (Hours)				Evaluation Scheme						
Subject Code	Subject Name	Category	Theory	Tutorial	Practical	Credits	Theory Marks			Tutorial/ Practical Marks		Total Marks
							ESE(E)	IA	CSE	Viva (V)	Term work (TW)	
01MA0103	Matrix Algebra and Vector Space	BSC	3	2	0	5	50	30	20	25	25	150
01CE1101	Computer Programming	ESC	4	0	2	5	50	30	20	25	25	150
01ME1102	Engineering Graphics	ESC	3	0	4	5	50	30	20	25	25	150
01EE1101	Basics of Electrical & Electronics Engineering	ESC	4	0	2	5	50	30	20	25	25	150
01ME1104	Workshop	ESC	0	0	2	1	–	–	–	–	50	50
01PY0101	Physical Education/Sports/Yoga	MC	0	0	2	0	–	–	–	–	–	–
01CR0106	Verbal Ability – 2	Audit Course	1	0	0	0	50	–	–	–	50	100
	Total	29	15	2	12	21	250	120	80	100	200	750

| 01AU0102 | N.C.C.-2 | Audit Course | 1 | 0 | 2 | 2 | – | – | – | – | – | – |

B. Tech. Year II, Sem III						Evaluation Scheme					
Subject Code	Subject Name	Category	Teaching Scheme (Hours)			Credits	Theory Marks			Tutorial/ Practical Marks		Total Marks
			Theory	Tutorial	Practical		ESE(E)	IA	CSE	Viva (V)	Term work (TW)	
01CI0307	Principles of Economics & Management	HSMC	2	0	0	2	–	–	–	50	50	100
01MA1301	Applied Differential Equations	BSC	3	2	0	5	50	30	20	25	25	150
01CI1301	Mechanics of Solids	PCC-CE	4	0	2	5	50	30	20	25	25	150
01CI1302	Building Planning & Drawing	PCC-CE	2	0	2	3	50	30	20	25	25	150
01CI1303	Surveying	PCC-CE	2	0	2	3	50	30	20	25	25	150
01CI1304	Fluid Mechanics	PCC-CE	3	0	2	4	50	30	20	25	25	150
01CI1305	Computer Applications in Civil Engineering – I	ESC	0	0	2	1	–	–	–	25	25	50
01CI0308	Land Surveying Techniques	MC-NC	0	0	2	0	–	–	–	50	–	50
01CR0303	Quantitative & Logical Ability – 1	Audit Course	1	0	0	0	50	–	–	–	50	100
	Total	31	17	2	12	23	300	150	100	250	250	1050

B. Tech. Year II, Sem IV							Evaluation Scheme					
Subject Code	Subject Name	Category	Teaching Scheme (Hours)			Credits	Theory Marks			Tutorial/ Practical Marks		Total Marks
			Theory	Tutorial	Practical		ESE(E)	IA	CSE	Viva (V)	Term work (TW)	
01CR0401	Professional Ethics	HSMC	1	0	0	1	–	–	–	50	50	100
01CI0408	Creativity, Problem Solving and Innovation	HSMC	0	0	2	1	–	30	–	20	–	50
01MA1401	Complex Variable & Numerical Analysis	BSC	3	2	0	5	50	30	20	25	25	150
01CI2401	Materials, Testing & Evaluation	PCC-CE	2	0	2	3	50	30	20	25	25	150
01CI1402	Structural Analysis-1	PCC-CE	3	1	0	4	50	30	20	25	25	150
01CI1403	Basics of Geology & Geotechnical Engineering	PCC-CE	3	0	2	4	50	30	20	25	25	150
01CI0409	Building Construction Technology	PCC-CE	3	0	0	3	50	30	20	–	–	100
01CI2405	Computer Applications in Civil Engineering – II	ESC	0	0	2	1	–	–	–	25	25	50
01CR0402	Quantitative & Logical Ability – 2	Audit Course	1	0	0	0	50	–	–	–	50	100
	Total	27	16	3	8	22	300	180	100	195	225	1000

B. Tech. Year III, Sem V							Evaluation Scheme					
Subject Code	Subject Name	CBCS	Teaching Scheme (Hours)			Credits	Theory Marks			Tutorial/ Practical Marks		Total Marks
			Theory	Tutorial	Practical		ESE(E)	IA	CSE	Viva (V)	Term work (TW)	
01CR0501	Business Benchmark	HSMC	1	0	0	1	–	–	–	50	50	100
01CI1501	Hydrology and Water Resource Management	PCC-CE	2	0	0	2	50	30	20	–	–	100
01CI1502	Structural Analysis – 2	PCC-CE	3	1	0	4	50	30	20	25	25	150
01CI1503	Highway Engineering	PCC-CE	3	0	2	4	50	30	20	25	25	150
01CI1504	Environmental Engineering	PCC-CE	3	0	2	4	50	30	20	25	25	150
01CI1510	Advanced Geotechnical Engineering	PCC-CE	3	0	2	4	50	30	20	25	25	150
01CI1505	Computer Applications in Civil Engineering – III	ESC	0	0	2	1	–	–	–	25	25	50
01CI0518	Design & Maintenance Skills for Pavements	MC-NC	0	0	2	0	–	–	–	50	–	50

Code	Subject	Category	C	L	T	P	Col1	Col2	Col3	Col4	Col5	Total
01CR0503	Quantitative & Logical Ability – 3	Audit Course	1	0	0	0	50	–	–	–	50	100
	Department Elective – I	PEC-CE	0	0	0	3	50	30	20	25	25	150
	Total		27	16	1	10	23	300	150	100	225	225	1000

Department Elective – I												
01CI0511	Repair and Maintenance of Structure	PEC-CE	3	0	0	3	–	–	–	–	–	–
01CI0512	Railway, Bridge and Tunnel Engineering	PEC-CE	3	0	0	3	–	–	–	–	–	–
01CI0513	Applied Fluid Mechanics in Civil Engineering	PEC-CE	2	0	2	3	–	–	–	–	–	–
01CI0514	Construction Equipment and Automation	PEC-CE	3	0	0	3	–	–	–	–	–	–
01CI1507	Environmental Pollution	PEC-CE	3	0	0	3	–	–	–	–	–	–
01CI0515	Advanced Surveying	PEC-CE	2	0	2	3	–	–	–	–	–	–
01CI0516	Introduction to Programming	PEC-CE	2	1	0	3	–	–	–	–	–	–

Subject Code	Subject Name	CBCS	Teaching Scheme (Hours)			Credits	Theory Marks			Tutorial/ Practical Marks		Total Marks
			Theory	Tutorial	Practical		ESE(E)	IA	CSE	Viva (V)	Term work (TW)	
01CI0601	Transportation Engineering	PC	2	0	2	3	50	30	20	25	25	150
01CI0602	Elementary Desing of Structures	PC	4	0	2	5	50	30	20	25	25	150
01CI0603	Adanced Geotechnical Engineering	PC	3	0	2	4	50	30	20	25	25	150
01CI0604	Professional Practice & Valuation	PC	2	0	2	3	50	30	20	25	25	150
01CI0605	Construction Technology & Safety Engineering	PC	2	0	0	2	50	30	20	—	—	100
01CI0606	Software Applications in Civil Engineering – IV	IEC	0	0	2	1	–	–	–	25	25	50
01CI0607	Project Based on Community Services – IV	EE	0	0	2	1	–	–	–	25	25	50
	University Elective – I	UE	3	0	2	4	50	30	20	25	25	150
	Total	30	16	0	14	23	300	180	120	175	175	950

B. Tech. Year III, Sem VI — Evaluation Scheme

University Elective – I	
01CI0608	Energy Science & Engineering

B. Tech. Year IV, Sem VII							Evaluation Scheme					
Subject Code	Subject Name	Type	Teaching Scheme (Hours)			Credits	Theory Marks			Tutorial/ Practical Marks		Total Marks
		CBCS	Theory	Tutorial	Practical		ESE(E)	IA	CSE	Viva (V)	Term work (TW)	
01CI0701	Design of Concrete Structure	PC	4	2	0	5	50	30	20	25	25	150
01CI0702	Irrigation Engineering	PC	2	0	2	3	50	30	20	25	25	150
01CI0703	Construction Project Mangement	PC	3	0	2	4	50	30	20	25	25	150
01CI0704	Project – I	EE	0	0	10	10	0	0	0	50	50	100
	Deptment Elective – II	PEC	3	0	2	4	50	30	20	25	25	150
	Total	30	12	2	16	26	200	120	80	150	150	700

Department Elective – II	
01CI0705	Earthquake Engineering
01CI0706	Smart Cities
01CI0707	Modern Transportation Systems
01CI0708	Environment Impact Assessment

B. Tech. Year IV, Sem VIII							Evaluation Scheme						
Subject Code	Subject Name	Type	Teaching Scheme (Hours)			Credits	Theory Marks			Tutorial/ Practical Marks		Total Marks
		CBCS	Theory	Tutorial	Practical		ESE(E)	IA	CSE	Viva (V)	Term work (TW)	
01CI0801	Foundation Engineering	PC	3	0	2	4	50	30	20	25	25	150
01CI0802	Design of Steel Structure	PC	3	2	0	4	50	30	20	25	25	150
01CI0803	Project – II	EE	0	0	10	10	0	0	0	50	50	100
	Department Elective – III	PEC	3	0	2	4	50	30	20	25	25	150
	Department Elective – IV	PEC	3	0	2	4	50	30	20	25	25	150
	Total	30	12	2	16	26	200	120	80	150	150	700

Department Elective – III	01CI0804	Advanced Structural Analysis
	01CI0805	Rehabilitation & Retrofitting of Structures
	01CI0806	Bridge Engineering
	01CI0807	Solid Waste Mangement
Department Elective – IV	01CI0808	Sustainable Buidling Technologies
	01CI0809	Prestressed Concrete Technology
	01CI0810	Infrastructure Engineering & Management
	01CI0811	Design of Formwork
	01CI0812	Masonary Structures