



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.	
303104101	Elements of Civil Engineering	4.00	3	2	0	20	20	20	60	30	40	25	150
303104104	Civil Engineering Drawings	2.00	0	4	0	-	20	-	-	30	-	25	50
303104105	Environmental Science	0.00	1	0	0	-	-	50	-	-	20	-	50
303105102	Programming for Problem Solving	4.00	3	2	0	20	20	20	60	30	40	25	150
303191101	Mathematics-I	4.00	4	-	-	20	-	20	60	-	40	-	100
303192101	Engineering Physics-I	4.00	3	2	-	20	20	20	60	30	40	25	150
303193103	Communication Skills	2.00	-	-	2	-	-	100	-	-	40	-	100
	Total	20.00	14	10	2								750

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 50



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.	
303100101	Workshop	2.00	0	4	0	-	40	-	-	60	-	50	100
303104151	Computer Aided Civil Engineering Drawing	4.00	2	4	0	20	20	20	60	30	40	25	150
303104155	Mechanics of Solids	4.00	3	2	0	20	20	20	60	30	40	25	150
303104157	Disaster Preparedness and Planning	2.00	2	0	0	20	-	20	60	-	40	-	100
303104159	Surveying	5.00	3	4	0	20	20	20	60	30	40	25	150
303191151	Mathematics-II	4.00	4	-	-	20	-	20	60	-	40	-	100
303193152	Advanced Communication & Technical Writing	2.00	-	-	2	-	-	100	-	-	40	-	100
	Total	23.00	14	14	2								850

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 50

**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.	
303104201	Material Testing and Evaluation	2.00	2	0	0	20	-	20	60	-	40	-	100
303104202	Material Testing and Evaluation Laboratory	2.00	0	4	0	-	20	-	-	30	-	25	50
303104203	Construction Technology	3.00	3	0	0	20	-	20	60	-	40	-	100
303104205	Introduction to Fluid Mechanics	3.00	3	0	0	20	-	20	60	-	40	-	100
303104206	Introduction to Fluid Mechanics Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104207	Introduction to Solid Mechanics	3.00	3	0	0	20	-	20	60	-	40	-	100
303104208	Introduction to Solid Mechanics Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104210	Product Realization	1.00	0	2	0	-	50	-	-	-	-	25	50
303191205	ADVANCE ENGINEERING MATHEMATICS	4.00	4	-	-	20	-	20	60	-	40	-	100
303193203	Professional Communication Skills	2.00	-	-	2	-	-	100	-	-	40	-	100
	Total	22.00	15	10	2								800

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 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.	
303104251	Hydraulic Engineering	3.00	3	0	0	20	-	20	60	-	40	-	100
303104252	Hydraulic Engineering Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104253	Mechanics of Materials	3.00	3	0	0	20	-	20	60	-	40	-	100
303104254	Mechanics of Materials Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104255	Environmental Engineering	3.00	3	0	0	20	-	20	60	-	40	-	100
303104256	Environmental Engineering Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104257	Geo-Technical Engineering	3.00	3	0	0	20	-	20	60	-	40	-	100
303104258	Geo-Technical Engineering Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104259	Transportation Engineering	3.00	3	0	0	20	-	20	60	-	40	-	100
303104260	Transportation Engineering Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303193252	Professional Grooming and Personality Development	1.00	-	-	1	-	-	100	-	-	40	-	100
	Total	21.00	15	10	1								850

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 50



Semester - 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.	
303104301	Design of Reinforced Concrete Structures	2.00	2	0	0	20	-	20	60	-	40	-	100
303104302	Design of Reinforced Concrete Structures Laboratory	2.00	0	4	0	-	20	-	-	30	-	25	50
303104303	Hydrology & Water Resources Engineering	3.00	3	0	0	20	-	20	60	-	40	-	100
303104304	Hydrology & Water Resources Engineering	1.00	0	2	0	-	20	-	-	30	-	25	50
303104306	Summer Internship-1	2.00	-	-	-	-	40	-	-	60	-	50	100
303193304	Professionalism & Corporate Ethics	1.00	-	-	1	-	-	100	-	-	40	-	100
	Open Elective 01 (Compulsory Subjects :1)	2.00	2	0	0	40	-	-	60	-	-	-	100
	PEC 01-LAB (Compulsory Subjects :1)	1.00	0	2	0	-	20	-	-	30	-	-	50
	PEC 01 (Compulsory Subjects :1)	3.00	3	0	0	40	-	-	60	-	-	-	100
	PEC 02 (Compulsory Subjects :1)	3.00	3	0	0	40	-	-	60	-	-	-	100
	PEC 02-LAB (Compulsory Subjects :1)	1.00	0	2	0	-	20	-	-	30	-	-	50
	PEC 03 (Compulsory Subjects :1)	2.00	2	0	0	40	-	-	60	-	-	-	100
	PEC 03-LAB (Compulsory Subjects :1)	1.00	0	2	0	-	20	-	-	30	-	-	50
	Total	24.00	15	12	1								1050

Semester - 5 PEC 01

						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.	
303104321	Foundation Engineering	3.00	3	0	0	20	-	20	60	-	40	-	100

**Semester - 5 PEC 01**

						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.	
303104323	Rock Mechanics	3.00	3	0	0	20	-	20	60	-	40	-	100
303104325	Forensic Geo-Technical Engineering	3.00	3	0	0	20	-	20	60	-	40	-	100
303104327	Environmental Geo-Technology	3.00	3	0	0	20	-	20	60	-	40	-	100

Semester - 5 PEC 01-LAB

						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.	
303104322	Foundation Engineering Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104324	Rock Mechanics Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104326	Forensic Geo-Technical Engineering Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104328	Environmental Geo-Technology Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50

Semester - 5 PEC 02

						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.	
303104331	Design of Water & Waste Water Treatment Systems	3.00	3	0	0	20	-	20	60	-	40	-	100
303104333	Environmental Microbiology	3.00	3	0	0	20	-	20	60	-	40	-	100
303104335	Pollution Monitoring and Legislation	3.00	3	0	0	20	-	20	60	-	40	-	100



Semester - 5 PEC 02

						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.	
303104337	Cleaner Production	3.00	3	0	0	20	-	20	60	-	40	-	100

Semester - 5 PEC 02-LAB

						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.	
303104332	Design of Water & Waste Water Treatment Systems Laoratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104334	Environmental Microbiology Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104336	Pollution Monitoring and Legislation Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104338	Cleaner Production Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50

Semester - 5 PEC 03

						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.	
303104341	Highway Engineering	2.00	2	0	0	20	-	20	60	-	40	-	100
303104343	Metro Systems	2.00	2	0	0	20	-	20	60	-	40	-	100
303104345	Road Safety Engineering	2.00	2	0	0	20	-	20	60	-	40	-	100
303104347	Airport Engineering	2.00	2	0	0	20	-	20	60	-	40	-	100



Semester - 5 PEC 03-LAB

						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.	
303104342	Highway Engineering Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104344	Metro Systems Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104346	Road Safety Engineering Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104348	Airport Engineering Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50

Semester - 5 Open Elective 01

						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.	
303105305	Internet of Things	2.00	2	0	0	20	-	20	60	-	40	-	100
303109346	Renewable Energy Sources	2.00	2	0	0	20	-	20	60	-	40	-	100

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 50



Semester - 6 Open Elective 02

						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.	
303100351	Programme Management and Entrepreneurship	2.00	2	0	0	20	-	20	60	-	40	-	100
303100352	Life Sciences	2.00	2	0	0	20	-	20	60	-	40	-	100
303100353	Fundamentals of Management	2.00	2	0	0	20	-	20	60	-	40	-	100
303100354	Constitution of India	2.00	2	0	0	20	-	20	60	-	40	-	100
303100355	Engineering Economics	2.00	2	0	0	20	-	20	60	-	40	-	100
303105392	Cyber Law and Ethics	2.00	2	0	0	20	-	20	60	-	40	-	100

Semester - 6

						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.	
303104351	Design of Steel Structures	2.00	2	0	0	20	-	20	60	-	40	-	100
303104352	Design of Steel Structures Laboratory	2.00	0	4	0	-	20	-	-	30	-	25	50
303104353	Estimation, Costing and Valuation	2.00	2	0	0	20	-	20	60	-	40	-	100
303104354	Estimation, Costing and Valuation Laboratory	2.00	0	4	0	-	20	-	-	30	-	25	50
303104356	Model Testing & Simulation	1.00	0	2	0	-	40	-	-	60	-	50	100
303193353	Employability Skills	1.00	-	-	1	-	-	100	-	-	40	-	100
	Open Elective 02 (Compulsory Subjects :1)	2.00	2	0	0	40	-	-	60	-	-	-	100
	PEC 04 (Compulsory Subjects :1)	2.00	2	0	0	40	-	-	60	-	-	-	100
	PEC 04-LAB (Compulsory Subjects :1)	1.00	0	2	0	-	20	-	-	30	-	-	50

**Semester - 6**

						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.	
	PEC 05 (Compulsory Subjects :1)	2.00	2	0	0	40	-	-	60	-	-	-	100
	PEC 05-LAB (Compulsory Subjects :1)	1.00	0	2	0	-	20	-	-	30	-	-	50
	Total	18.00	10	14	1								900

Semester - 6 PEC 04

						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.	
303104361	Design of Hydraulic Structures	2.00	2	0	0	20	-	20	60	-	40	-	100
303104363	Ground Water Hydrology	2.00	2	0	0	20	-	20	60	-	40	-	100
303104365	River and Sedimentation Engineering	2.00	2	0	0	20	-	20	60	-	40	-	100
303104367	Flood Engineering	2.00	2	0	0	20	-	20	60	-	40	-	100

Semester - 6 PEC 04-LAB

						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.	
303104362	Design of Hydraulic Structures Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104364	Ground Water Hydrology Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104366	River and Sedimentation Engineering Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50



Semester - 6 PEC 04-LAB

						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.	
303104368	Flood Engineering Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50

Semester - 6 PEC 05

						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.	
303104371	EIA and Audit	2.00	2	0	0	20	-	20	60	-	40	-	100
303104373	Advanced Structural Analysis	2.00	2	0	0	20	-	20	60	-	40	-	100
303104375	Geometric Design of Highways	2.00	2	0	0	20	-	20	60	-	40	-	100
303104377	Advanced Geotechnical Engineering	2.00	2	0	0	20	-	20	60	-	40	-	100
303104379	Open Channel Flow	2.00	2	0	0	20	-	20	60	-	40	-	100

Semester - 6 PEC 05-LAB

						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.	
303104372	EIA and Audit Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104374	Advanced Structural Analysis Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104376	Geometric Design of Highways Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104378	Advanced Geotechnical Engineering Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50



Semester - 6 PEC 05-LAB

						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.	
303104380	Open Channel Flow Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 50



Semester - 7 PEC 06

						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.	
303104381	Environmental Chemistry	2.00	2	0	0	20	-	20	60	-	40	-	100
303104383	Advanced Design of Reinforced Concrete Structures	2.00	2	0	0	20	-	20	60	-	40	-	100
303104385	Highway Materials and Construction	2.00	2	0	0	20	-	20	60	-	40	-	100
303104387	Earth & Rockfill Dams	2.00	2	0	0	20	-	20	60	-	40	-	100
303104389	Computer Application in WRE	2.00	2	0	0	20	-	20	60	-	40	-	100

Semester - 7 PEC 06-LAB

						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.	
303104382	Environmental Chemistry Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104384	Advanced Design of Reinforced Concrete Structures Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104386	Highway Materials and Construction Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104388	Earth & Rockfill Dams Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50
303104390	Computer Application in WRE Laboratory	1.00	0	2	0	-	20	-	-	30	-	25	50



Semester - 7

						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.	
303104401	Construction Project Management and Economics	3.00	3	-	-	20	-	20	60	-	40	-	100
303104402	Construction Project Management and Economics Laboratory	1.00	-	2	-	-	20	-	-	30	-	25	50
303104404	PROJECT-1	6.00	-	12	-	-	100	-	-	100	-	100	200
303104406	Summer Internship-2	2.00	-	-	-	-	40	-	-	60	-	50	100
	PEC 06 (Compulsory Subjects :1)	2.00	2	0	0	40	-	-	60	-	-	-	100
	PEC 06-LAB (Compulsory Subjects :1)	1.00	0	2	0	-	20	-	-	30	-	-	50
	PEC 07 (Compulsory Subjects :1)	2.00	2	-	-	40	-	-	60	-	-	-	100
	PEC 07-LAB (Compulsory Subjects :1)	1.00	-	2	-	-	20	-	-	30	-	-	50
	Total	18.00	7	18	0								750

Semester - 7 PEC 07

						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.	
303104421	Wastewater Recycling and Management	2.00	2	-	-	20	-	20	60	-	40	-	100
303104423	Advanced Design of Steel Structures	2.00	2	-	-	20	-	20	60	-	40	-	100
303104425	Railway, Dock & Harbour Engineering	2.00	2	-	-	20	-	20	60	-	40	-	100
303104427	Geosynthetics and Geotextiles	2.00	2	-	-	20	-	20	60	-	40	-	100
303104429	Hydro Power Engineering	2.00	2	-	-	20	-	20	60	-	40	-	100



Semester - 7 PEC 07-LAB

						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.	
303104422	Wastewater Recycling and Management Laboratory	1.00	-	2	-	-	20	-	-	30	-	25	50
303104424	Advanced Design of Steel Structures Laboratory	1.00	-	2	-	-	20	-	-	30	-	25	50
303104426	Railway, Dock & Harbour Engineering Laboratory	1.00	-	2	-	-	20	-	-	30	-	25	50
303104428	Geosynthetics and Geotextiles Laboratory	1.00	-	2	-	-	20	-	-	30	-	25	50
303104430	Hydro Power Engineering Laboratory	1.00	-	2	-	-	20	-	-	30	-	25	50

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 50



Semester - 8

						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.	
303104451	Project Planning & Economics	2.00	2	-	-	20	-	20	60	-	40	-	100
303104452	Project Planning & Economics Laboratory	1.00	-	2	-	-	20	-	-	30	-	25	50
303104454	Project-2	6.00	-	12	-	-	100	-	-	100	-	100	200
	PEC 08 (Compulsory Subjects :1)	2.00	2	-	-	40	-	-	60	-	-	-	100
	PEC 08-LAB (Compulsory Subjects :1)	1.00	-	2	-	-	20	-	-	30	-	-	50
	PEC 09 - (1) - (Compulsory Subjects :1)	2.00	2	-	-	40	-	-	60	-	-	-	100
	PEC 09-LAB (Compulsory Subjects :1)	1.00	-	2	-	-	20	-	-	30	-	-	50
	Total	15.00	6	18									650

Semester - 8 PEC 08

						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.	
303104461	Industrial Water Pollution and Control	2.00	2	-	-	20	-	20	60	-	40	-	100
303104463	Computer Aided Design of Structures	2.00	2	-	-	20	-	20	60	-	40	-	100
303104465	Intelligent Transportation System	2.00	2	-	-	20	-	20	60	-	40	-	100
303104467	Ground Improvement Techniques	2.00	2	-	-	20	-	20	60	-	40	-	100
303104469	Urban Hydrology & Hydraulics	2.00	2	-	-	20	-	20	60	-	40	-	100



Semester - 8 PEC 08-LAB

						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.	
303104462	Industrial Water Pollution and Control Laboratory	1.00	-	2	-	-	20	-	-	30	-	25	50
303104464	Computer Aided Design of Structures Laboratory	1.00	-	2	-	-	20	-	-	30	-	25	50
303104466	Intelligent Transportation System Laboratory	1.00	-	2	-	-	20	-	-	30	-	25	50
303104468	Ground Improvement Techniques Laboratory	1.00	-	2	-	-	20	-	-	30	-	25	50
303104470	Urban Hydrology & Hydraulics Laboratory	1.00	-	2	-	-	20	-	-	30	-	25	50

Semester - 8 PEC 09 - (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.	
303104471	Air Quality Management	2.00	2	-	-	20	-	20	60	-	40	-	100
303104473	Prestressed Concrete Structures	2.00	2	-	-	20	-	20	60	-	40	-	100
303104475	Urban Transportation System	2.00	2	-	-	20	-	20	60	-	40	-	100
303104477	Field Testing & Monitoring	2.00	2	-	-	20	-	20	60	-	40	-	100
303104479	Irrigation Engineering	2.00	2	-	-	20	-	20	60	-	40	-	100



Semester - 8 PEC 09-LAB

						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.	
303104472	Air Quality Management Laboratory	1.00	-	2	-	-	20	-	-	30	-	25	50
303104474	Prestressed Concrete Structures Laboratory	1.00	-	2	-	-	20	-	-	30	-	25	50
303104476	Urban Transportation System Laboratory	1.00	-	2	-	-	20	-	-	30	-	25	50
303104478	Field Testing & Monitoring Laboratory	1.00	-	2	-	-	20	-	-	30	-	25	50
303104480	Irrigation Engineering Laboratory	1.00	-	2	-	-	20	-	-	30	-	25	50

Lect - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical
Theory Passing % : 40 Practical Passing % : 50