

GUJARAT TECHNOLOGICAL UNIVERSITY
Civil Engineering (06)
BE 1st To 8th Semester Exam Scheme & Subject Code

EVALUATION SCHEME

University Exam (Theory) (E)		University Exam (Practical) (E)		Continuous Evaluation Process(M)		Practical (I)	
MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
70	23	X	50% of X	20	8	10	4
				30	12	X	50% of X

NOTE :

X = Marks of the Particular Subject.

Continuous Evaluation(M) 20/8 and Practical (I) 10/4 scheme apply up to April 2009

Continuous Evaluation(M) 30/12 and Practical X/ 50% of X scheme apply from April 2009 onward.

University Exam (Practical) (E) Component is applicable only in 7th & 8th Semester.

1st Year

Subject Code	Subject Name	Teaching Scheme(Hours)			Credits	University Exam (Theory) (E)	University Exam (Practical) (E)	Continuous Evaluation Process (M)	Practical (I)	Total Marks	Branch Code
		Theory	Tutorial	Practical							
110001	Chemistry	3	0	2	5	70	—	30	50	150	6
110002	Communication Skills	1	0	2	3	70	—	30	50	150	6
110003	Computer Programming & Utilization (Revised)	2	0	4	6	70	—	30	50	150	6
110004	Elements of Civil Engineering (Revised)	4	0	2	6	70	—	30	50	150	6
110005	Elements of Electrical Engineering	4	0	2	6	70	—	30	50	150	6
110006	Elements of Mechanical Engineering	4	0	2	6	70	—	30	50	150	6
110007	Environmental Studies	3	0	0	3	70	—	30	50	150	6

110008 OR 110014	Maths-I (entry year 2008-10 having backlog)OR Calculus (entry year 2011-12)	3	2	0	5	70	—	30	50	150	6
110009 OR 110015	Maths-II (entry year 2008-10 having backlog) OR Vector Calculus and Linear Algebra (entry year 2011-12)	3	2	0	5	70	—	30	50	150	6
110010	Mechanics of Solids (Revised)	3	0	2	5	70	—	30	50	150	6
110011	Physics	3	0	2	5	70	—	30	50	150	6
110012	Workshop	0	0	4	4	0	—	0	100	100	6
110013	Engineering Graphics	2	0	4	6	70	—	30	50	150	6
TOTAL		35	4	26	65						

Semester III

Subject Code	Subject Name	Teaching Scheme(Hours)			Credits	University Exam (Theory) (E)	University Exam (Practical) (E)	Continuous Evaluation Process (M)	Practical (I)	Total Marks	Branch Code
		Theory	Tutorial	Practical							
130001/ 130002	Mathematics-3 / Advanced Engineering Mathematics (New)	3	2	0	5	70	—	30	50	150	6
130601	Surveying	3	0	2	5	70	—	30	50	150	6
130602	Fluid Mechanics	3	0	2	5	70	—	30	50	150	6
130603	Building and Town Planning	3	2	0	5	70	—	30	50	150	6
130604	Structural Analysis-1	3	2	0	5	70	—	30	50	150	6
130605	Concrete Technology	3	0	2	5	70	—	30	50	150	6
TOTAL		18	6	6	30						

Semester IV

Subject Code	Subject Name	Teaching Scheme(Hours)			Credits	University Exam (Theory) (E)	University Exam (Practical) (E)	Continuous Evaluation Process (M)	Practical (I)	Total Marks	Branch Code
		Theory	Tutorial	Practical							
140001	Mathematics-4	3	2	0	5	70	—	30	50	150	6
140002	Management-1	2	0	0	2	70	—	30	50	150	6
140601	Advanced Surveying	3	0	2	5	70	—	30	50	150	6
140602	Building Construction	3	1	0	4	70	—	30	50	150	6
140603	Structural Analysis-2	3	2	0	5	70	—	30	50	150	6
140604	Engineering Geology	2	1	0	3	70	—	30	50	150	6
140605	Institute Elective-1(Advanced Strength Of Materials)	4	0	2	6	70	—	30	50	150	6
TOTAL		20	6	4	30						

Semester V

Subject Code	Subject Name	Teaching Scheme(Hours)			Credits	University Exam (Theory) (E)	University Exam (Practical) (E)	Continuous Evaluation Process (M)	Practical (I)	Total Marks	Branch Code
		Theory	Tutorial	Practical							
150001	Management - II	2	0	0	2	70	—	30	50	150	6
150601	Highway Engineering	3	0	2	5	70	—	30	50	150	6
150602	Hydrology & Water Resources Engineering	3	1	0	4	70	—	30	50	150	6
150603	Environmental Engineering	3	0	2	5	70	—	30	50	150	6
150604	Geotechnical Engineering - I	3	0	2	5	70	—	30	50	150	6
150605	Structural Analysis - III	2	1	0	3	70	—	30	50	150	6
150606	Disaster Assessment using Geospatial Techniques (Institute Elective-II)	4	0	2	6	70	—	30	50	150	6
	TOTAL	20	2	8	30						

Semester VI

Subject Code	Subject Name	Teaching Scheme(Hours)			Credits	University Exam (Theory) (E)	University Exam (Practical) (E)	Continuous Evaluation Process (M)	Practical (I)	Total Marks	Branch Code
		Theory	Tutorial	Practical							
160601	Advanced Construction Technology	3	1	0	4	70	—	30	50	150	6
160602	Applied Fluid Mechanics	3	0	2	5	70	—	30	50	150	6
160603	Railway , Bridge & Tunnel Engineering	3	1	0	4	70	—	30	50	150	6
160604	Water & Waste Water Engineering	3	0	2	5	70	—	30	50	150	6
160605	Earthquake Engineering	4	0	2	6	70	—	30	50	150	6
160606	Geotechnical Engineering - II	4	0	2	6	70	—	30	50	150	6
	TOTAL	20	2	8	30						

Semester VII

Subject Code	Subject Name	Teaching Scheme(Hours)			Credits	University Exam (Theory) (E)	University Exam (Practical) (E)	Continuous Evaluation Process (M)	Practical (I)	Total Marks	Branch Code
		Theory	Tutorial	Practical							
170601	Construction management and Equipments	4	2	0	6	70	30	30	20	150	6
170602	Irrigation Engineering	4	2	0	6	70	30	30	20	150	6
170603	Structural Design-I	4	4	0	8	70	30	30	20	150	6
170604	Urban Transportation System (Department Elective-I)	4	2	0	6	70	30	30	20	150	6
170605	Advanced Structural Analysis (Department Elective-I)	4	2	0	6	70	30	30	20	150	6
170606	Application of Geoinformatics in Civil Engineering (Department Elective-I)	4	2	0	6	70	30	30	20	150	6
170001	Project - I	0	0	4	4	0	100	0	50	150	6
	TOTAL	16	10	4	30						

Semester VIII

Subject Code	Subject Name	Teaching Scheme(Hours)			Credits	University Exam (Theory) (E)	University Exam (Practical) (E)	Continuous Evaluation Process (M)	Practical (I)	Total Marks	Branch Code
		Theory	Tutorial	Practical							
180601	Design of Hydraulic Structures	3	2	0	5	70	30	30	20	150	6
180602	Dock Harbour & Airport Engineering	3	0	0	3	70	0	30	50	150	6
180603	Professional Practice & Valuation	3	2	0	5	70	30	30	20	150	6
180604	Structural Design II	3	2	0	5	70	30	30	20	150	6
180605	Project II	0	0	8	8	0	100	0	50	150	6
180606	Irrigation Water Management (Department Elective-II)	3	1	0	4	70	30	30	20	150	6
180607	Repairs & Rehabilitation of Structures (Department Elective-II)	3	1	0	4	70	30	30	20	150	6
180608	Air Pollution Control (Department Elective-II)	3	1	0	4	70	30	30	20	150	6
	TOTAL	15	7	8	30						