

GUJARAT TECHNOLOGICAL UNIVERSITY
Computer Science & Engineering (31)
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	31
110002	Communication Skills	1	0	2	3	70		30	50	150	31
110003	Computer Programming & Utilization (Revised)	2	0	4	6	70		30	50	150	31
110004	Elements of Civil Engineering (Revised)	4	0	2	6	70		30	50	150	31
110005	Elements of Electrical Engineering	4	0	2	6	70		30	50	150	31
110006	Elements of Mechanical Engineering	4	0	2	6	70		30	50	150	31
110007	Environmental Studies	3	0	0	3	70		30	50	150	31
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	31

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	31
110010	Mechanics of Solids (Revised)	3	0	2	5	70		30	50	150	31
110011	Physics	3	0	2	5	70		30	50	150	31
110012	Workshop	0	0	4	4	0		0	100	100	31
110013	Engineering Graphics	2	0	4	6	70		30	50	150	31
	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	31
131101	Basic Electronics	4	0	2	6	70		30	50	150	31
130702	Data and File Structure	3	0	2	5	70		30	50	150	31
130701	Digital Logic Design	4	0	2	6	70		30	50	150	31
130703	Database Management System	3	0	2	5	70		30	50	150	31
130704	Computer Organization and Architecture	3	0	0	3	70		30	50	150	31
	TOTAL	20	2	8	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	31
140002	Management-1	2	0	0	2	70		30	50	150	31
140701	Microprocessor And Interfacing	3	0	2	5	70		30	50	150	31
140702	Operating System	4	0	2	6	70		30	50	150	31
140703	Object Oriented Analysis Design And Uml	4	0	2	6	70		30	50	150	31
140704	Institute Elective-1(Object Oriented Concepts And Programming)	4	0	2	6	70		30	50	150	31
140705	Object Oriented And Programming with C++	4	0	2	6	70		30	50	150	31
	TOTAL	20	2	8	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	31
150701	Advance Processors	3	0	2	5	70		30	50	150	31
150702	Computer Network	4	0	2	6	70		30	50	150	31
150703	Design and Analysis of Algorithms	4	0	2	6	70		30	50	150	31
150704	Object Oriented Programming With Java	2	0	2	4	70		30	50	150	31
150705	Seminar	0	0	1	1	0		0	100	100	31
150706	Visual Basic Application & Programming (Institute Elective - II)	4	0	2	6	70		30	50	150	31
	TOTAL	19	0	11	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							
160701	Software Engineering	4	0	2	6	70		30	50	150	31
160702	Information Security	4	0	2	6	70		30	50	150	31
160703	Computer Graphics	4	0	2	6	70		30	50	150	31
160704	Theory Of Computation	3	0	0	3	70		30	50	150	31
160705	Web Application Development	3	0	2	5	70		30	50	150	31
163101	Operating System Design	2	0	2	4	70		30	50	150	31
	TOTAL	20	0	10	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							
170701	Compiler Design	3	0	2	5	70	30	30	20	150	31
170702	Mobile Computing (Valid from Aug 2011 to May 2012)	3	0	2	5	70	30	30	20	150	31
170702N	Wireless Communication & Mobile Programming (w.e.f June 2012)	3	0	2	5	70	30	30	20	150	31
170703	Advance Java Technology	3	0	2	5	70	30	30	20	150	31
173101	Soft Computing	3	0	2	5	70	30	30	20	150	31
173102	Software Testing and Quality (Department Elective - I)	4	0	2	6	70	30	30	20	150	31
173103	E-commerce & E-Business (Department Elective - I)	4	0	2	6	70	30	30	20	150	31
171605	Enterprise Resource Planning (Department Elective - I)	4	0	2	6	70	30	30	20	150	31
170708	Web Data Management (Department Elective-1)	4	0	2	6	70	30	30	20	150	31
170001	Project - I	0	0	4	4	0	100	0	50	150	31
	TOTAL	16	0	14	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							
180701	Distributed Systems	4	0	2	6	70	30	30	20	150	31
180702	Parallel Processing	4	0	2	6	70	30	30	20	150	31
183103	Business Intelligence & Data Mining (Department Elective II)	4	0	2	6	70	30	30	20	150	31
180703	Artificial Intelligence (Department Elective II)	4	0	2	6	70	30	30	20	150	31
181605	Service Oriented Computing (Department Elective II)	4	0	2	6	70	30	30	20	150	31
180707	iOS Programming (Department Elective - II)	4	0	2	6	70	30	30	20	150	31
180708	Android Programming (Department Elective - II)	4	0	2	6	70	30	30	20	150	31
183106	Project II	0	0	12	12	0	150	0	50	200	31
	TOTAL	12	0	18	30						

