

GUJARAT TECHNOLOGICAL UNIVERSITY
Information Technology (16)
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.

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	16
110002	Communication Skills	1	0	2	3	70	—	30	50	150	16
110003	Computer Programming & Utilization (Revised)	2	0	4	6	70	—	30	50	150	16
110004	Elements of Civil Engineering (Revised)	4	0	2	6	70	—	30	50	150	16
110005	Elements of Electrical Engineering	4	0	2	6	70	—	30	50	150	16
110006	Elements of Mechanical Engineering	4	0	2	6	70	—	30	50	150	16
110007	Environmental Studies	3	0	0	3	70	—	30	50	150	16
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	16
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	16
110010	Mechanics of Solids (Revised)	3	0	2	5	70	—	30	50	150	16
110011	Physics	3	0	2	5	70	—	30	50	150	16
110012	Workshop	0	0	4	4	0	—	0	100	100	16
110013	Engineering Graphics	2	0	4	6	70	—	30	50	150	16
	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	16
131101	Basic Electronics	4	0	2	6	70	—	30	50	150	16
130702	Data and File Structure	3	0	2	5	70	—	30	50	150	16
130701	Digital Logic Design	4	0	2	6	70	—	30	50	150	16
130703	Database Management System	3	0	2	5	70	—	30	50	150	16
131601	Business Information System	3	0	0	3	70	—	30	50	150	16
	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	16
140002	Management-1	2	0	0	2	70	—	30	50	150	16
140702	Operating System	4	0	2	6	70	—	30	50	150	16
140703	Object Oriented Analysis Design And Uml	4	0	2	6	70	—	30	50	150	16
141601	Data Communication And Networking	4	0	2	6	70	—	30	50	150	16
140704	Institute Elective-1(Object Oriented Concepts And Programming)	4	0	2	6	70	—	30	50	150	16
140705	Object Oriented And Programming with C++	4	0	2	6	70	—	30	50	150	16
	TOTAL	21	2	8	31						

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	16
150702	Computer Network	4	0	2	6	70	—	30	50	150	16
150704	Object Oriented Programming With Java	2	0	2	4	70	—	30	50	150	16
151601	Computer Oriented Statistical Methods	4	0	2	6	70	—	30	50	150	16
151602	E-Commerce & E-Business	3	0	2	5	70	—	30	50	150	16
150705	Seminar	0	0	1	1	0	—	0	100	100	16
150706	Visual Basic Application & Programming (Institute Elective - II)	4	0	2	6	70	—	30	50	150	16
	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	16
160702	Information Security	4	0	2	6	70	—	30	50	150	16

160703	Computer Graphics	4	0	2	6	70	—	30	50	150	16
161601	Modelling, Simulation and Operations Research	4	0	2	6	70	—	30	50	150	16
161602	Web Technology and Programming	3	0	2	5	70	—	30	50	150	16
	TOTAL	19	0	10	29						

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							
170702	Mobile Computing (Valid from Aug 2011 to May 2012)	3	0	2	5	70	30	30	20	150	16
170702N	Wireless Communication & Mobile Programming (wef June 2012)	3	0	2	5	70	30	30	20	150	16
171601	Data warehousing and Data Mining	3	0	2	5	70	30	30	20	150	16
170703	Advance Java Technology	3	0	2	5	70	30	30	20	150	16
171602	Distributed Database Application & System	3	0	2	5	70	30	30	20	150	16
171603	Software Project Management (Department Elective - I)	4	0	2	6	70	30	30	20	150	16
171604	Dot Net Technology (Department Elective - I)	4	0	2	6	70	30	30	20	150	16
171605	Enterprise Resource Planning (Department Elective - I)	4	0	2	6	70	30	30	20	150	16
170708	Web Data Management (Department Elective-1)	4	0	2	6	70	30	30	20	150	16
170001	Project - I	0	0	4	4	0	100	0	50	150	16
	TOTAL	16	0	14	30						

Semester VIII

Subject Code	Subject Name	Teaching Scheme(Hours)			Credits	University Exam (Theory)	University Exam (Practical)	Continuous Evaluation Process	Practical (I)	Total Marks	Branch Code
		Theory	Tutorial	Practical							
180704	Advance Computer Networks	4	0	2	6	70	30	30	20	150	16
181602	Data Compression	4	0	2	6	70	30	30	20	150	16

180703	Artificial Intelligence (Department Elective - II)	4	0	2	6	70	30	30	20	150	16
181604	Design and Analysis of Algorithm (Department Elective - II)	4	0	2	6	70	30	30	20	150	16
181605	Service Oriented Computing (Department Elective - II)	4	0	2	6	70	30	30	20	150	16
180707	iOS Programming(Department Elective - II)	4	0	2	6	70	30	30	20	150	16
180708	Android Programming(Department Elective - II)	4	0	2	6	70	30	30	20	150	16
181606	Project II	0	0	12	12	0	150	0	50	200	16
	TOTAL	12	0	18	30						

