

GUJARAT TECHNOLOGICAL UNIVERSITY
Information & Communication Technology (32)
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	32
110002	Communication Skills	1	0	2	3	70	—	30	50	150	32
110003	Computer Programming & Utilization (Revised)	2	0	4	6	70	—	30	50	150	32
110004	Elements of Civil Engineering (Revised)	4	0	2	6	70	—	30	50	150	32
110005	Elements of Electrical Engineering	4	0	2	6	70	—	30	50	150	32
110006	Elements of Mechanical Engineering	4	0	2	6	70	—	30	50	150	32
110007	Environmental Studies	3	0	0	3	70	—	30	50	150	32
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	32
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	32
110010	Mechanics of Solids (Revised)	3	0	2	5	70	—	30	50	150	32
110011	Physics	3	0	2	5	70	—	30	50	150	32
110012	Workshop	0	0	4	4	0	—	0	100	100	32
110013	Engineering Graphics	2	0	4	6	70	—	30	50	150	32
	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	32
131101	Basic Electronics	4	0	2	6	70	—	30	50	150	32

131102	Simulation and Design Tools	0	0	2	2	0	—	0	100	100	32
130701	Digital Logic Design	4	0	2	6	70	—	30	50	150	32
130702	Data and File Structure	3	0	2	5	70	—	30	50	150	32
133201	Introduction to Communication Theory	4	0	0	4	70	—	30	50	150	32
131103	Electronics Workshop	0	0	2	2	0	—	0	100	100	32
	TOTAL	18	2	10	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	32
140002	Management-1	2	0	0	2	70	—	30	50	150	32
140702	Operating System	4	0	2	6	70	—	30	50	150	32
141101	Advance Electronics	4	0	2	6	70	—	30	50	150	32
141102	Communication Engineering (Institute Elective-1)	4	0	2	6	70	—	30	50	150	32
141601	Data Communication and Networking	4	0	2	6	70	—	30	50	150	32
	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	32
151004	Electronic Communication	4	0	2	6	70	—	30	50	150	32
151601	Computer Oriented Statistical Methods	4	0	2	6	70	—	30	50	150	32
151002	Engineering Electromagnetics	3	0	0	3	70	—	30	50	150	32
150702	Computer Network	4	0	2	6	70	—	30	50	150	32
150706	Visual Basic Application and Programming (Institute Elective - II)	4	0	2	6	70	—	30	50	150	32
153201	Seminar	0	0	1	1	0	—	0	100	100	32

	TOTAL	21	0	9	30						
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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							
161001	Digital Communication	4	0	2	6	70	—	30	50	150	32
161003	Antenna and Wave Propagation	4	0	2	6	70	—	30	50	150	32
161005	Optical Communication	4	0	2	6	70	—	30	50	150	32
161601	Modelling Simulation and Operation Research	4	0	2	6	70	—	30	50	150	32
161602	Web Technology & Programming	3	0	2	5	70	—	30	50	150	32
	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							
170001	Project-I	0	0	4	4	0	100	0	50	150	32
173201	Microwave and Satellite Communication	4	0	2	6	70	30	30	20	150	32
173202	Advance Computing	4	0	2	6	70	30	30	20	150	32
173203	Microprocessor and Microcontroller	4	0	2	6	70	30	30	20	150	32
173204	Telecommunication Engineering	3	0	0	3	70	—	30	50	150	32
173205	Design & Analysis of Algorithm/ Computer Algorithm (Elective)	3	0	2	5	70	30	30	20	150	32
173206	Audio and Video Engineering (Elective)	3	0	2	5	70	30	30	20	150	32
	TOTAL	18	0	12	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							
183201	Multimedia Computing	4	0	2	6	70	30	30	20	150	32
183202	System and Networks Security	4	0	2	6	70	30	30	20	150	32
183204	Wireless and mobile Communication (Department Elective II)	4	0	2	6	70	30	30	20	150	32
183205	Advance networking protocols (Department Elective II)	4	0	2	6	70	30	30	20	150	32
183206	Project II	0	0	12	12	0	150	0	50	200	32
	TOTAL	12	0	18	30						

