

GUJARAT TECHNOLOGICAL UNIVERSITY
Electronics & Communication Engineering (11)
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	11
110002	Communication Skills	1	0	2	3	70	—	30	50	150	11
110003	Computer Programming & Utilization (Revised)	2	0	4	6	70	—	30	50	150	11
110004	Elements of Civil Engineering (Revised)	4	0	2	6	70	—	30	50	150	11
110005	Elements of Electrical Engineering	4	0	2	6	70	—	30	50	150	11
110006	Elements of Mechanical Engineering	4	0	2	6	70	—	30	50	150	11
110007	Environmental Studies	3	0	0	3	70	—	30	50	150	11
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	11
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	11
110010	Mechanics of Solids (Revised)	3	0	2	5	70	—	30	50	150	11
110011	Physics	3	0	2	5	70	—	30	50	150	11
110012	Workshop	0	0	4	4	0	—	0	100	100	11
110013	Engineering Graphics	2	0	4	6	70	—	30	50	150	11
	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	11
131101	Basic Electronics	4	0	2	6	70	—	30	50	150	11
130901	Circuits and Networks	4	0	2	6	70	—	30	50	150	11
130701	Digital Logic Design	4	0	2	6	70	—	30	50	150	11
131701	Electrical Machines	3	0	0	3	70	—	30	50	150	11
131102	Simulation and Design Tools	0	0	2	2	0	—	0	100	100	11
131103	Electronics Workshop	0	0	2	2	0	—	0	100	100	11
	TOTAL	18	2	10	30						

Semester IV

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							
140001	Mathematics-4	3	2	0	5	70	—	30	50	150	11
140002	Management-1	2	0	0	2	70	—	30	50	150	11
140701	Microprocessor And Interfacing	3	0	2	5	70	—	30	50	150	11
141101	Advance Electronics	4	0	2	6	70	—	30	50	150	11
141102	Institute Elective-1(Communication Engineering)	4	0	2	6	70	—	30	50	150	11
141701	Control Theory	4	0	2	6	70	—	30	50	150	11
	TOTAL	20	2	8	30						

Semester-V

Subject Code	Subject Name	Teaching Scheme(Hours)			Credits	University Exam	University Exam	Continuous Evaluation	Practical (I)	Total Marks	Branch Code
		Theory	Tutorial	Practical							
150001	Management - II	2	0	0	2	70	—	30	50	150	11
151001	Microcontroller and Interfacing	3	0	2	5	70	—	30	50	150	11
151002	Engineering Electromagnetics	3	0	0	3	70	—	30	50	150	11
151003	Integrated Circuits and Applications	4	0	2	6	70	—	30	50	150	11
151004	Electronic Communication	4	0	2	6	70	—	30	50	150	11
151005	Electronics Measurements and Instrumentation Laboratory	0	0	2	2	0	—	0	100	100	11
151006	Applied Electronics (Institute Elective - II)	4	0	2	6	70	—	30	50	150	11
	TOTAL	20	0	10	30						

Semester VI

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							
161001	Digital Communication	4	0	2	6	70	—	30	50	150	11
161002	Audio - Video Systems	4	0	2	6	70	—	30	50	150	11
161003	Antenna & Wave Propagation	4	0	2	6	70	—	30	50	150	11
161004	VLSI Technology and Design	4	0	2	6	70	—	30	50	150	11
161005	Optical Communication	4	0	2	6	70	—	30	50	150	11
	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							
171001	Microwave Engineering	3	0	2	5	70	30	30	20	150	11
171002	Power Electronics	2	0	2	4	70	30	30	20	150	11
171003	Digital Signal Processing	4	0	2	6	70	30	30	20	150	11
171004	Wireless Communication	4	0	2	6	70	30	30	20	150	11
171005	Embedded Systems (Department Elective - I)	3	0	2	5	70	30	30	20	150	11
171006	Biomedical Instrumentation (Department Elective - I)	3	0	2	5	70	30	30	20	150	11
171007	Satellite Communication (Department Elective - I)	3	0	2	5	70	30	30	20	150	11
170001	Project - I	0	0	4	4	0	100	0	50	150	11
	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							
181101	Data Communication and Networking	4	0	2	6	70	30	30	20	150	11
181102	Fundamentals of Image Processing (Department Elective - II)	4	0	2	6	70	30	30	20	150	11
181103	Radar & Navigational Aids (Department Elective - II)	4	0	2	6	70	30	30	20	150	11
181104	Advanced Microprocessors (Department Elective - II)	4	0	2	6	70	30	30	20	150	11
181106	Device Driver Writing (Department Elective - II)	4	0	2	6	70	30	30	20	150	11
181105	Project II	0	0	18	18	0	200	0	50	250	11
	TOTAL	8	0	22	30						