GUJARAT TECHNOLOGICAL UNIVERSITY
Industrial Engineering (15)
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	15
110002	Communication Skills	1	0	2	3	70	–	30	50	150	15
110003	Computer Programming & Utilization (Revised)	2	0	4	6	70	–	30	50	150	15
110004	Elements of Civil Engineering (Revised)	4	0	2	6	70	–	30	50	150	15
110005	Elements of Electrical Engineering	4	0	2	6	70	–	30	50	150	15
110006	Elements of Mechanical Engineering	4	0	2	6	70	–	30	50	150	15
110007	Environmental Studies	3	0	0	3	70	–	30	50	150	15
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	15

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	15
110010	Mechanics of Solids (Revised)	3	0	2	5	70	–	30	50	150	15
110011	Physics	3	0	2	5	70	–	30	50	150	15
110012	Workshop	0	0	4	4	0	–	0	100	100	15
110013	Engineering Graphics	2	0	4	6	70	–	30	50	150	15
	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	15
131901	Electrical Machines and Electronics	3	1	0	4	70	–	30	50	150	15
131902	Machine Design & Industrial Drafting	4	0	2	6	70	–	30	50	150	15
131904	Material Science and Metallurgy	4	0	2	6	70	–	30	50	150	15
131903	Manufacturing Process-1	4	0	2	6	70	–	30	50	150	15
130101	Fluid Mechanics	3	0	2	5	70	–	30	50	150	15
	TOTAL	**21**	**3**	**8**	**32**						

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	15
140002	Management-1	2	0	0	2	70	–	30	50	150	15
141901	Mechanical Measurement & Metrology	4	0	2	6	70	–	30	50	150	15
141902	Kinematics Of Machines	3	1	0	4	70	–	30	50	150	15
142501	Heat Power Engineering	4	1	0	5	70	–	30	50	150	15
141501	Institute Elective-1 (Productivity Engineering)	4	0	2	6	70	–	30	50	150	15
	TOTAL	**20**	**4**	**4**	**28**						

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	15
151501	Entrepreneurship Development & Productivity Engineering	4	0	2	6	70	–	30	50	150	15
151502	Advertising, Sales and Distribution Management	3	2	0	5	70	–	30	50	150	15
151503	Facilities Layout & Material Handling Systems	4	0	2	6	70	–	30	50	150	15
151901	Manufacturing Processes - II	3	0	2	5	70	–	30	50	150	15
151504	Marketing Management (Institute Elective - II)	4	0	2	6	70	–	30	50	150	15
	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							
161501	Materials Management	4	0	2	6	70	–	30	50	150	15
161502	Product Development & Value Engineering	4	0	2	6	70	–	30	50	150	15
161503	Finance Management & Cost Control	4	2	0	6	70	–	30	50	150	15
161504	Metal Cutting & Advanced manufacturing processes	4	0	2	6	70	–	30	50	150	15
161505	Maintenance & Safety Engg	4	0	2	6	70	–	30	50	150	15
	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							
171501	Operations Planning & Control	4	0	2	6	70	30	30	20	150	15
171502	Work System Design	4	0	2	6	70	30	30	20	150	15
171503	Resource Optimization Techniques	4	4	0	8	70	30	30	20	150	15
171504	Industrial Statistics & Quality Management (Department Elective - I)	4	0	2	6	70	30	30	20	150	15
171505	Logistics & Supply chain Management (Department Elective - I)	4	0	2	6	70	30	30	20	150	15
170001	Project - I	0	0	4	4	0	100	0	50	150	15
	TOTAL	**16**	**4**	**10**	**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							
181501	Project Management	4	0	2	6	70	30	30	20	150	15
181502	Management of Human Resources	4	2	0	6	70	30	30	20	150	15
181503	Management Information System (Department Elective - II)	4	0	2	6	70	30	30	20	150	15
181504	Industrial Ergonomics (Department Elective - II)	4	0	2	6	70	30	30	20	150	15
181505	Project II	0	0	12	12	0	150	0	50	200	15
	TOTAL	**12**	**2**	**16**	**30**						