GUJARAT TECHNOLOGICAL UNIVERSITY
Production Engineering (25)
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	25
110002	Communication Skills	1	0	2	3	70	–	30	50	150	25
110003	Computer Programming & Utilization (Revised)	2	0	4	6	70	–	30	50	150	25
110004	Elements of Civil Engineering (Revised)	4	0	2	6	70	–	30	50	150	25
110005	Elements of Electrical Engineering	4	0	2	6	70	–	30	50	150	25
110006	Elements of Mechanical Engineering	4	0	2	6	70	–	30	50	150	25
110007	Environmental Studies	3	0	0	3	70	–	30	50	150	25
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	25

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	25
110010	Mechanics of Solids (Revised)	3	0	2	5	70	–	30	50	150	25
110011	Physics	3	0	2	5	70	–	30	50	150	25
110012	Workshop	0	0	4	4	0	–	0	100	100	25
110013	Engineering Graphics	2	0	4	6	70	–	30	50	150	25
	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	25
131901	Electrical Machines and Electronics	3	1	0	4	70	–	30	50	150	25
131902	Machine Design & Industrial Drafting	4	0	2	6	70	–	30	50	150	25
131904	Material Science and Metallurgy	4	0	2	6	70	–	30	50	150	25
131903	Manufacturing Process-1	4	0	2	6	70	–	30	50	150	25
130101	Fluid Mechanics	3	0	2	5	70	–	30	50	150	25
	TOTAL	**21**	**3**	**8**	**32**						

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	25
140002	Management-1	2	0	0	2	70	–	30	50	150	25
141901	Mechanical Measurement & Metrology	4	0	2	6	70	–	30	50	150	25
141902	Kinematics Of Machines	3	1	0	4	70	–	30	50	150	25
142501	Heat Power Engineering	4	1	0	5	70	–	30	50	150	25
142502	Institute Elective-1(Fundamentals Of Quality Management)	4	0	2	6	70	–	30	50	150	25
	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	25
152501	Casting Technology	3	0	2	5	70	–	30	50	150	25
152502	Tool Design	3	2	0	5	70	–	30	50	150	25
152503	Design of M/c Elements - I	4	2	0	6	70	–	30	50	150	25
152504	Dynamics of Machines & Production Engineering Drawing	4	2	0	6	70	–	30	50	150	25
152505	Project Management (Institute Elective - II)	4	0	2	6	70	–	30	50	150	25
	TOTAL	**20**	**6**	**4**	**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							
162501	Statistical Methods and Quality Control	4	2	0	6	70	–	30	50	150	25
162502	Welding Technology	4	0	2	6	70	–	30	50	150	25
162503	Metal Forming Processes	3	0	2	5	70	–	30	50	150	25
161903	Computer Aided Design	3	0	2	5	70	–	30	50	150	25
162504	Allied Manufacturing Processes	4	0	2	6	70	–	30	50	150	25
162505	Estimating, Costing & Engineering Economics	2	0	0	2	70	–	30	50	150	25
	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							
172501	Computer Aided Manufacturing	4	0	2	6	70	30	30	20	150	25
172502	Productivity Improvement Methods	3	0	2	5	70	30	30	20	150	25
172503	Optimization Methods	4	2	0	6	70	30	30	20	150	25
172504	Quality Management & Reliability Engineering	3	1	0	4	70	30	30	20	150	25
172505	Supply Chain Management (Department Elective - I)	3	2	0	5	70	30	30	20	150	25
172506	Flexible Manufacturing Systems (Department Elective - I)	3	2	0	5	70	30	30	20	150	25
170001	Project - I	0	0	4	4	0	100	0	50	150	25
	TOTAL	**17**	**5**	**8**	**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							
182501	Production and Operations Management	3	2	0	5	70	30	30	20	150	25
182502	Recent Advances in Manufacturing	3	1	0	4	70	30	30	20	150	25
182503	Design of Product and Machine Tools	3	1	0	4	70	30	30	20	150	25
182504	Facilities Planning	3	1	0	4	70	30	30	20	150	25
182505	Entrepreneurship(Department Elective II)	3	2	0	5	70	30	30	20	150	25
182506	Managing Projects (Department Elective II)	3	2	0	5	70	30	30	20	150	25
182507	Project II	0	0	8	8	0	100	0	50	150	25
	TOTAL	**15**	**7**	**8**	**30**						