

GUJARAT TECHNOLOGICAL UNIVERSITY

Automobile Engineering (02)

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

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	2
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	2
110010	Mechanics of Solids (Revised)	3	0	2	5	70	—	30	50	150	2
110011	Physics	3	0	2	5	70	—	30	50	150	2
110012	Workshop	0	0	4	4	0	—	0	100	100	2
110013	Engineering Graphics	2	0	4	6	70	—	30	50	150	2
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	2
131901	Electrical Machines and Electronics	3	1	0	4	70	—	30	50	150	2
131902	Machine Design & Industrial Drafting	4	0	2	6	70	—	30	50	150	2
131904	Material Science and Metallurgy	4	0	2	6	70	—	30	50	150	2
131903	Manufacturing Process-1	4	0	2	6	70	—	30	50	150	2
130101	Fluid Mechanics	3	0	2	5	70	—	30	50	150	2
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	2
140002	Management-1	2	0	0	2	70	—	30	50	150	2
142001	Kinematics And Dynamics Of Machines	4	0	2	6	70	—	30	50	150	2
141903	Engineering Thermodynamics	4	1	0	5	70	—	30	50	150	2
140201	Mechanics Of Deformable Bodies	3	1	0	4	70	—	30	50	150	2
140202	Institute Elective -1(Fundamentals Of Automobile Systems)	4	2	0	6	70	—	30	50	150	2
TOTAL		20	6	2	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	2
150201	Automobile Engines	4	0	2	6	70	—	30	50	150	2
150202	Automobile Systems	4	0	2	6	70	—	30	50	150	2
151901	Manufacturing Processes - II	3	0	2	5	70	—	30	50	150	2
150203	Power Electronics & Control Engineering	4	0	2	6	70	—	30	50	150	2
150204	Automobile Maintenance and Repair Practice (Institute Elective - II)	2	0	4	6	70	—	30	50	150	2
	TOTAL	19	0	12	31						

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							
160201	Automobile Component Design	4	0	2	6	70	—	30	50	150	2
160202	Automobile Heat Transfer	4	0	2	6	70	—	30	50	150	2
160203	Transport Management and Laws	4	0	0	4	70	—	30	50	150	2
160204	Vehicle Maintenance and Garage Practice	2	0	4	6	70	—	30	50	150	2
160205	Automobile Chassis and Body Engineering	3	0	0	3	70	—	30	50	150	2
160206	Total Quality Management	3	1	0	4	70	—	30	50	150	2
	TOTAL	20	1	8	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							
170201	Automobile Air Conditioning System	3	0	1	4	70	30	30	20	150	2
170202	Automobile System Design	4	0	2	6	70	30	30	20	150	2
170203	Vehicle Dynamics	4	0	1	5	70	30	30	20	150	2
170204	Automobile Mechanical Measurements	3	0	2	5	70	30	30	20	150	2
170205	Alternative Fuels & Engines (Department Elective-I)	4	0	2	6	70	30	30	20	150	2
170206	Two & Three Wheeler Technology (Department Elective-I)	4	0	2	6	70	30	30	20	150	2
170001	Project - I	0	0	4	4	0	100	0	50	150	2
	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							
180201	Industrial Training and/or Project	0	0	12	12	0	150	0	50	200	2
180202	Automotive Electrical & Electronics	4	0	2	6	70	30	30	20	150	2
180203	Special Purpose Vehicles	4	2	0	6	70	30	30	20	150	2
180204	Automotive Hydraulics & Pneumatics (Department Elective-II)	4	2	0	6	70	30	30	20	150	2
180205	Automotive CAD (Department Elective-II)	4	2	0	6	70	30	30	20	150	2
	TOTAL	12	4	14	30						