

GUJARAT TECHNOLOGICAL UNIVERSITY
Marine Engineering (18)
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	18
110002	Communication Skills	1	0	2	3	70	—	30	50	150	18
110003	Computer Programming & Utilization (Revised)	2	0	4	6	70	—	30	50	150	18
110004	Elements of Civil Engineering (Revised)	4	0	2	6	70	—	30	50	150	18
110005	Elements of Electrical Engineering	4	0	2	6	70	—	30	50	150	18
110006	Elements of Mechanical Engineering	4	0	2	6	70	—	30	50	150	18
110007	Environmental Studies	3	0	0	3	70	—	30	50	150	18
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	18
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	18
110010	Mechanics of Solids (Revised)	3	0	2	5	70	—	30	50	150	18
110011	Physics	3	0	2	5	70	—	30	50	150	18
110012	Workshop	0	0	4	4	0	—	0	100	100	18
110013	Engineering Graphics	2	0	4	6	70	—	30	50	150	18
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	Mathematics-3	3	2	0	5	70	—	30	50	150	18
131901	Electrical Machines and Electronics	3	1	0	4	70	—	30	50	150	18
131902	Machine Design & Industrial Drafting	4	0	2	6	70	—	30	50	150	18
131904	Material Science and Metallurgy	4	0	2	6	70	—	30	50	150	18
131903	Manufacturing Process-1	4	0	2	6	70	—	30	50	150	18
130101	Fluid Mechanics	3	0	2	5	70	—	30	50	150	18
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	18
140002	Management-1	2	0	0	2	70	—	30	50	150	18
140201	Mechanics Of Deformable Bodies	3	1	0	4	70	—	30	50	150	18
141902	Kinematics Of Machines	3	1	0	4	70	—	30	50	150	18
141801	Fundamentals Of Ship Structure	4	1	2	7	70	—	30	50	150	18
141802	Institute Elective-I(Basic Ship Structure And Construction)	4	0	2	6	70	—	30	50	150	18
TOTAL		19	5	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	18
151801	Marine Auxiliary Machines-I	3	0	2	5	70	—	30	50	150	18
151802	Thermodynamics-I	4	1	0	5	70	—	30	50	150	18
151803	Seamanship and Elementary Navigation	3	0	2	5	70	—	30	50	150	18
151804	Ship Construction	2	0	0	2	70	—	30	50	150	18
151805	Elementary design and Drawing	3	0	2	5	70	—	30	50	150	18
151806	Basic Marine Machinery (Institute Elective-II)	4	0	2	6	70	—	30	50	150	18
TOTAL		21	1	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							
161801	Marine Auxiliary Machines-II	3	0	0	3	70	—	30	50	150	18
161802	Marine Electrical Technology and Machines	3	0	1	4	70	—	30	50	150	18
161803	Marine Internal Combustion Engines-I	3	0	2	5	70	—	30	50	150	18
161804	Marine Boiler	3	0	0	3	70	—	30	50	150	18
161805	Applied Thermodynamics-II	3	1	0	4	70	—	30	50	150	18
161806	Mechanics of Machines-I	4	1	0	5	70	—	30	50	150	18
161807	Field Training	0	0	6	6	0	—	0	100	100	18
TOTAL		19	2	9	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							
171801	Marine Auxiliary Machinery - III	3	1	0	4	70	30	30	20	150	18
171802	Mechanics of Machine - II	2	1	0	3	70	30	30	20	150	18
171803	Marine Machinery System Design	2	4	0	6	70	30	30	20	150	18
171804	Marine Steam Engineering	3	0	0	3	70	0	30	50	150	18
171805	Marine Internal Combustion Engine - II	4	0	0	4	70	0	30	50	150	18
171806	Naval Architecture- I	3	0	0	3	70	0	30	50	150	18
171807	Ship Safety, Environmental Protection & Safe Watch Keeping -I	3	0	0	3	70	0	30	50	150	18
170001	Project - I	0	0	4	4	0	100	0	50	150	18
TOTAL		20	6	4	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							
181801	Project II	0	0	12	12	0	150	0	50	200	18
181802	Marine Electrical Technology and Electrical Measurement	3	1	0	4	70	30	30	20	150	18
181803	Marine Control Engineering and Automation	3	1	0	4	70	30	30	20	150	18
181804	Ship Safety, Environmental Protection and Safe Watch Keeping II	2	1	0	3	70	30	30	20	150	18
181805	Ship Operation and Management	3	0	0	3	70	0	30	50	150	18
181806	Naval Architecture II	3	1	0	4	70	30	30	20	150	18
TOTAL		14	4	12	30						