

# GUJARAT TECHNOLOGICAL UNIVERSITY

## Textile Technology (29)

### 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	29
110002	Communication Skills	1	0	2	3	70	—	30	50	150	29
110003	Computer Programming & Utilization (Revised)	2	0	4	6	70	—	30	50	150	29
110004	Elements of Civil Engineering (Revised)	4	0	2	6	70	—	30	50	150	29
110005	Elements of Electrical Engineering	4	0	2	6	70	—	30	50	150	29
110006	Elements of Mechanical Engineering	4	0	2	6	70	—	30	50	150	29
110007	Environmental Studies	3	0	0	3	70	—	30	50	150	29
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	29

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	29
110010	Mechanics of Solids (Revised)	3	0	2	5	70	—	30	50	150	29
110011	Physics	3	0	2	5	70	—	30	50	150	29
110012	Workshop	0	0	4	4	0	—	0	100	100	29
110013	Engineering Graphics	2	0	4	6	70	—	30	50	150	29
	<b>TOTAL</b>	<b>35</b>	<b>4</b>	<b>26</b>	<b>65</b>						

### 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	29
132901	Textile Fibers	4	0	0	4	70	—	30	50	150	29
132902	Yarn Manufacturing-I	4	0	2	6	70	—	30	50	150	29
132903	Weaving-I	4	0	2	6	70	—	30	50	150	29
132904	Textile Processing-I	4	0	2	6	70	—	30	50	150	29
132905	Basic Engineering in Textile	3	0	0	3	70	—	30	50	150	29
	<b>TOTAL</b>	<b>22</b>	<b>2</b>	<b>6</b>	<b>30</b>						

### 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	29
140002	Management-1	2	0	0	2	70	—	30	50	150	29
142901	Yarn Manufacturing-II	4	0	2	6	70	—	30	50	150	29
142902	Weaving-II	4	0	2	6	70	—	30	50	150	29
142903	Textile Processing-II	3	0	2	5	70	—	30	50	150	29
142805	Institute Elective-1(Elements Of Textile Processes)	4	0	2	6	70	—	30	50	150	29
	<b>TOTAL</b>	<b>20</b>	<b>2</b>	<b>8</b>	<b>30</b>						

**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	29
152901	Yarn Manufacturing - III	4	0	2	6	70	—	30	50	150	29
152902	Weaving - III	4	0	2	6	70	—	30	50	150	29
152903	Fabric Structure - I	4	0	2	6	70	—	30	50	150	29
152904	Modern Yarn Production	4	0	0	4	70	—	30	50	150	29
152905	Textile Manufacturing Processes(Institute Elective - II)	4	0	2	6	70	—	30	50	150	29
	<b>TOTAL</b>	<b>22</b>	<b>0</b>	<b>8</b>	<b>30</b>						

**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							
162901	Statistical Quality Control & Textile Costing	4	0	0	4	70	—	30	50	150	29
162902	Advance Fabric Structure & CAD	5	0	2	7	70	—	30	50	150	29
162903	Physical Testing	4	0	4	8	70	—	30	50	150	29
162904	Technical Textiles -I	5	2	0	7	70	—	30	50	150	29
162905	Energy Conservation & Pollution Control In Textile Industry	4	0	0	4	70	—	30	50	150	29
	<b>TOTAL</b>	<b>22</b>	<b>2</b>	<b>6</b>	<b>30</b>						

**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							
172901	Modern Spinning Technology	3	0	2	5	70	30	30	20	150	29
172902	Modern Weaving Technology	3	0	2	5	70	30	30	20	150	29
172903	Production Planning & Maintenance	3	0	0	3	70	0	30	50	150	29
172904	Process & Quality Control in Spinning	3	0	0	3	70	0	30	50	150	29
172905	Fibre Science & Elements of Textile Structure	4	0	0	4	70	0	30	50	150	29
172906	Knitting and Garment Technology (Department Elective - I)	4	0	2	6	70	30	30	20	150	29
172907	Advanced Physical Testing (Department Elective - I)	4	0	2	6	70	30	30	20	150	29
170001	Project - I	0	0	4	4	0	100	0	50	150	29
	<b>TOTAL</b>	<b>20</b>	<b>0</b>	<b>10</b>	<b>30</b>						

**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							
182901	Principles of Textile Process	4	0	0	4	70	0	30	50	150	29
182902	Process & Quality Control in Weaving	4	0	0	4	70	0	30	50	150	29
182903	Technical Textiles II	4	0	0	4	70	0	30	50	150	29
182904	Project II	0	0	12	12	0	150	0	50	200	29
182905	Surface Ornamentation & Fashion Art (Department Elective II)	4	0	2	6	70	30	30	20	150	29
182906	Modern Fiber Technology(Department Elective II)	4	0	2	6	70	30	30	20	150	29
	<b>TOTAL</b>	<b>16</b>	<b>0</b>	<b>14</b>	<b>30</b>						