

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**Textile Processing (28)**  
**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 30	8 12	10 X	4 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	28
110002	Communication Skills	1	0	2	3	70	—	30	50	150	28
110003	Computer Programming & Utilization (Revised)	2	0	4	6	70	—	30	50	150	28
110004	Elements of Civil Engineering (Revised)	4	0	2	6	70	—	30	50	150	28
110005	Elements of Electrical Engineering	4	0	2	6	70	—	30	50	150	28
110006	Elements of Mechanical Engineering	4	0	2	6	70	—	30	50	150	28
110007	Environmental Studies	3	0	0	3	70	—	30	50	150	28
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	28

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	28
110010	Mechanics of Solids (Revised)	3	0	2	5	70	—	30	50	150	28
110011	Physics	3	0	2	5	70	—	30	50	150	28
110012	Workshop	0	0	4	4	0	—	0	100	100	28
110013	Engineering Graphics	2	0	4	6	70	—	30	50	150	28
<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	28
132901	Textile Fibers	4	0	0	4	70	—	30	50	150	28
132801	Textile Design and Colour	3	0	0	3	70	—	30	50	150	28
132802	Elements of Textile Technology And Processing	3	0	0	3	70	—	30	50	150	28
132803	Scouring and Bleaching-I	3	0	2	5	70	—	30	50	150	28
132804	Polymer Chemistry	3	0	2	5	70	—	30	50	150	28
132805	Organic Chemistry	3	0	2	5	70	—	30	50	150	28
<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	28
140002	Management-1	2	0	0	2	70	—	30	50	150	28
142801	Manufacturing & Applications Of Polymeric Materials	3	0	0	3	70	—	30	50	150	28
142802	Fiber Physics	3	0	0	3	70	—	30	50	150	28
142803	Yarn Preparation & Weaving	3	0	2	5	70	—	30	50	150	28
142804	Scouring And Bleaching- II	4	0	2	6	70	—	30	50	150	28
142805	Institute Elective-1(Elements Of Textile Processes)	4	0	2	6	70	—	30	50	150	28
<b>TOTAL</b>		<b>22</b>	<b>2</b>	<b>6</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	28
152801	Chemistry of Intermediates & Dyes	4	0	0	4	70	—	30	50	150	28
152802	Technology of Dyeing - I	3	0	3	6	70	—	30	50	150	28
152803	Analytical Textile Chemistry - I	3	0	3	6	70	—	30	50	150	28
152804	Chemical and Physical Analysis of Textiles	4	0	2	6	70	—	30	50	150	28
152805	Production & Applications of Colorants & Auxiliaries (Institute Elective - II)	4	0	2	6	70	—	30	50	150	28
	<b>TOTAL</b>	<b>20</b>	<b>0</b>	<b>10</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							
162801	Technology of Dyeing - II	4	0	3	7	70	—	30	50	150	28
162802	Analytical Textile Chemistry - II	3	0	3	6	70	—	30	50	150	28
162803	Chemistry and Applications of Textile Auxiliaries	3	0	0	3	70	—	30	50	150	28
162804	Technology of Printing - I	4	0	3	7	70	—	30	50	150	28
162805	Technology of Finishing - I	4	0	3	7	70	—	30	50	150	28
	<b>TOTAL</b>	<b>18</b>	<b>0</b>	<b>12</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							
172801	Technology of Printing – II	3	0	3	6	70	30	30	20	150	28
172802	Computer Aided Designing & Computer Colour Matching	4	0	3	7	70	30	30	20	150	28
172803	Technology of Finishing – II	3	0	0	3	70	0	30	50	150	28
172804	Garment Processing	2	0	2	4	70	30	30	20	150	28
172805	Ecological Aspects in Textile Processing (Department Elective - I)	4	0	2	6	70	30	30	20	150	28
172806	Instrumental Analysis in Textile Processing (Department Elective - I)	4	0	2	6	70	30	30	20	150	28
170001	Project - I	0	0	4	4	0	100	0	50	150	28
	<b>TOTAL</b>	<b>16</b>	<b>0</b>	<b>14</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							
182801	Technology of Dyeing III	4	0	2	6	70	30	30	20	150	28
182802	Technological Advances in Textile Processing	3	0	0	3	70	0	30	50	150	28
182803	Dye House Management	3	0	0	3	70	0	30	50	150	28
182804	Quality Control in Wet Processing (Department Elective II)	4	0	2	6	70	30	30	20	150	28
182805	Advanced Textile Processing Machineries (Department Elective II)	4	0	2	6	70	30	30	20	150	28
182806	Project II	0	0	12	12	0	150	0	50	200	28
	<b>TOTAL</b>	<b>14</b>	<b>0</b>	<b>16</b>	<b>30</b>						