

## GUJARAT TECHNOLOGICAL UNIVERSITY

<b>BRANCH CODE:02 DIPLOMA PROGRAMME IN AUTOMOBILE ENGINEERING</b>										
<b>SEMESTER - III</b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME</b>				<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>	<b>CREDITS (L+T+P)</b>	<b>THEORY MARKS</b>		<b>PRACTICAL MARKS</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
3330201	AUTOMOBILE ENGINES	3	0	2	5	70	30	20	30	150
3330202	AUTOMOBILE TRANSMISSION & MECHANISM	4	0	2	6	70	30	20	30	150
3330203	AUTOMOBILE ELECTRICAL SYSTEM	3	0	2	5	70	30	20	30	150
3330204	FUELS & LUBRICANTS	3	0	2	5	70	30	20	30	150
3330205	AUTOMOBILE POLLUTION CONTROL ENGINEERING	3	0	2	5	70	30	20	30	150
3330206	AUTOMOBILE COMPONENT DESIGN	4	0	2	6	70	30	20	30	150
<b>TOTAL</b>		20	0	12	32	420	180	120	180	900

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**L: LECTURE**

**P: PRACTICAL**

**T: TUTORIAL**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**

**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

## GUJARAT TECHNOLOGICAL UNIVERSITY

<b>BRANCH CODE: 03 DIPLOMA PROGRAMME IN BIOMEDICAL ENGINEERING</b>										
<b>SEMESTER - III</b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME</b>				<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>	<b>CREDITS (L+T+P)</b>	<b>THEORY MARKS</b>		<b>PRACTICAL MARKS</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
3330001	HUMAN RESOURCE MANAGEMENT	2	0	0	2	70	30	0	0	100
3330301	BASIC ELECTRONICS	4	0	4	8	70	30	40	60	200
3330302	DATA COMMUNICATION & NETWORKING	3	0	2	5	70	30	20	30	150
3330303	MEDICAL ELECTRONICS	4	0	4	8	70	30	40	60	200
3330304	MEDICAL SENSORS & MEASUREMENT TECHNIQUE	5	0	2	7	70	30	20	30	150
<b>TOTAL</b>		<b>18</b>	<b>0</b>	<b>12</b>	<b>30</b>	<b>350</b>	<b>150</b>	<b>120</b>	<b>180</b>	<b>800</b>

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**L: LECTURE**  
**P: PRACTICAL**  
**T: TUTORIAL**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**  
**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

## GUJARAT TECHNOLOGICAL UNIVERSITY

BRANCH CODE:05 DIPLOMA PROGRAMME IN CHEMICAL ENGINEERING										
SEMESTER - III										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
3330501	CHEMICAL ENGINEERING MATERIALS	3	2	0	5	70	30	20	30	150
3330502	MECHANICAL OPERATIONS	4	0	4	8	70	30	40	60	200
3330503	FLUID FLOW OPERATIONS	4	0	4	8	70	30	40	60	200
3330504	INDUSTRIAL STOICHIOMETRY	3	2	0	5	70	30	20	30	150
3330505	CHEMICAL PROCESS TECHNOLOGY-I	4	0	2	6	70	30	20	30	150
TOTAL		18	4	10	32	350	150	140	210	850

ESE : END SEMESTER EXAM  
PA: PROGRESSIVE ASSESSMENT

ESE for Practical includes Viva/Practical exam/Performance etc.

L: LECTURE

PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals

P: PRACTICAL

PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term

T: TUTORIAL

## GUJARAT TECHNOLOGICAL UNIVERSITY

<b>BRANCH CODE:06 DIPLOMA PROGRAMME IN CIVIL ENGINEERING</b>										
<b>SEMESTER - III</b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME</b>				<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>	<b>CREDITS (L+T+P)</b>	<b>THEORY MARKS</b>		<b>PRACTICAL MARKS</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
3330601	BUILDING MATERIALS	3	0	2	5	70	30	20	30	150
3330602	CONSTRUCTION TECHNOLOGY	3	0	2	5	70	30	20	30	150
3330603	HYDRAULICS	3	1	2	6	70	30	20	30	150
3330604	STRUCTURAL MECHANICS	4	1	2	7	70	30	20	30	150
3330605	SURVEYING	3	0	6	9	70	30	60	90	250
<b>TOTAL</b>		16	2	14	32	350	150	140	210	850

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**L: LECTURE**

**P: PRACTICAL**

**T: TUTORIAL**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**

**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

## GUJARAT TECHNOLOGICAL UNIVERSITY

<b>BRANCH CODE:07 DIPLOMA PROGRAMME IN COMPUTER ENGINEERING</b>										
<b>SEMESTER - III</b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME</b>				<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>	<b>CREDITS (L+T+P)</b>	<b>THEORY MARKS</b>		<b>PRACTICAL MARKS</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
3330701	OPERATING SYSTEM	3	0	2	5	70	30	20	30	150
3330702	PROGRAMMING IN C++	3	2	2	7	70	30	20	30	150
3330703	DATABSE MANAGEMENT SYSTEM	3	2	2	7	70	30	20	30	150
3330704	DATA STRUCTURE	3	2	2	7	70	30	20	30	150
3330705	MICROPROCESSOR & ASSEMBLY LANGUAGE PROGRAMMING	3	0	2	5	70	30	20	30	150
<b>TOTAL</b>		<b>15</b>	<b>6</b>	<b>10</b>	<b>31</b>	<b>350</b>	<b>150</b>	<b>100</b>	<b>150</b>	<b>750</b>

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**L: LECTURE**  
**P: PRACTICAL**  
**T: TUTORIAL**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**  
**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

## GUJARAT TECHNOLOGICAL UNIVERSITY

BRANCH CODE:09 DIPLOMA PROGRAMME IN ELECTRICAL ENGINEERING										
SEMESTER - III										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
3330901	AC CIRCUITS	3	2	2	7	70	30	20	30	150
3330902	D C MACHINES AND TRANSFORMER	4	0	4	8	70	30	40	60	200
3330903	ELECTRICAL INSTRUMENTION	4	0	2	6	70	30	20	30	150
3330904	ELECTRICAL POWER GENERATION	4	2	0	6	70	30	20	30	150
3330905	ELECTRONICS COMPONENTS AND CIRCUITS	4	0	2	6	70	30	20	30	150
TOTAL		19	4	10	33	350	150	120	180	800

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**L: LECTURE**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**

**P: PRACTICAL**

**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

**T: TUTORIAL**

## GUJARAT TECHNOLOGICAL UNIVERSITY

<b>BRANCH CODE:11 DIPLOMA PROGRAMME IN ELECTRONICS &amp; COMMUNICATION ENGINEERING</b>										
<b>SEMESTER - III</b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME</b>				<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>	<b>CREDITS (L+T+P)</b>	<b>THEORY MARKS</b>		<b>PRACTICAL MARKS</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
3331101	ANTENNA & WAVE PROPAGATION	3	0	2	5	70	30	20	30	150
3331102	ANALOG ELECTRONICS	4	0	4	8	70	30	40	60	200
3331103	PRINCIPLE OF ELECTRONIC COMMUNICATION	3	0	2	5	70	30	20	30	150
3331104	DIGITAL LOGIC DESIGN	3	1	2	6	70	30	20	30	150
3331105	PROGRAMMING IN C	3	0	4	7	70	30	40	60	200
<b>TOTAL</b>		<b>16</b>	<b>1</b>	<b>14</b>	<b>31</b>	<b>350</b>	<b>150</b>	<b>140</b>	<b>210</b>	<b>850</b>

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**L: LECTURE**

**P: PRACTICAL**

**T: TUTORIAL**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**

**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

## GUJARAT TECHNOLOGICAL UNIVERSITY

<b>BRANCH CODE:13 DIPLOMA PROGRAMME IN ENVIRONMENT ENGINEERING</b>										
<b>SEMESTER - III</b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME</b>				<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>	<b>CREDITS (L+T+P)</b>	<b>THEORY MARKS</b>		<b>PRACTICAL MARKS</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
3330601	BUILDING MATERIALS	3	0	2	5	70	30	20	30	150
3330605	SURVEYING	3	0	6	9	70	30	60	90	250
3330604	STRUCTURAL MECHANICS	4	1	2	7	70	30	20	30	150
3330603	HYDRAULICS	3	1	2	6	70	30	20	30	150
3331301	ENVIRONMENTAL SCIENCE	3	0	2	5	70	30	20	30	150
<b>TOTAL</b>		<b>16</b>	<b>2</b>	<b>14</b>	<b>32</b>	<b>350</b>	<b>150</b>	<b>140</b>	<b>210</b>	<b>850</b>

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**L: LECTURE**  
**P: PRACTICAL**  
**T: TUTORIAL**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**  
**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**



**GUJARAT TECHNOLOGICAL UNIVERSITY**

<b>BRANCH CODE:16 DIPLOMA PROGRAMME IN INFORMATION TECHNOLOGY</b>										
<b>SEMESTER - III</b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME</b>				<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>	<b>CREDITS (L+T+P)</b>	<b>THEORY MARKS</b>		<b>PRACTICAL MARKS</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
3331601	DIGITAL MEMORY SYSTEM	3	2	2	7	70	30	20	30	150
3330701	OPERATING SYSTEM	3	0	2	5	70	30	20	30	150
3331602	COMPUTER GRAPHICS	3	2	2	7	70	30	20	30	150
3330704	DATA STRUCTURE	3	2	2	7	70	30	20	30	150
3331603	SOFTWARE PRACTICES WITH VB.NET	0	2	2	4	0	0	40	60	100
<b>TOTAL</b>		<b>12</b>	<b>8</b>	<b>10</b>	<b>30</b>	<b>280</b>	<b>120</b>	<b>100</b>	<b>150</b>	<b>700</b>

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**L: LECTURE**

**P: PRACTICAL**

**T: TUTORIAL**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**

**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

## GUJARAT TECHNOLOGICAL UNIVERSITY

<b>BRANCH CODE:17 DIPLOMA PROGRAMME IN INSTRUMENTATION &amp; CONTROL ENGINEERING</b>										
<b>SEMESTER - III</b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME</b>				<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>	<b>CREDITS (L+T+P)</b>	<b>THEORY MARKS</b>		<b>PRACTICAL MARKS</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
3331701	SAFETY INSTRUMENTED SYSTEMS & SAFETY INTEGRATED LEVEL	3	0	2	5	70	30	20	30	150
3331702	TELEMETRY SYSTEM	3	0	2	5	70	30	20	30	150
3331703	DIGITAL TECHNIQUES	4	0	2	6	70	30	20	30	150
3331704	CONTROL COMPONENTS	3	0	4	7	70	30	40	60	200
3331705	PROCESS APPLICATION & INSTRUMENTATION MAINTENANCE MANAGEMENT	3	0	2	5	70	30	20	30	150
3331706	INSTRUMENTATION DRAWING	0	0	4	4	0	0	40	60	100
<b>TOTAL</b>		<b>16</b>	<b>0</b>	<b>16</b>	<b>32</b>	<b>350</b>	<b>150</b>	<b>160</b>	<b>240</b>	<b>900</b>

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**L: LECTURE**

**P: PRACTICAL**

**T: TUTORIAL**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**

**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

## GUJARAT TECHNOLOGICAL UNIVERSITY

<b>BRANCH CODE:19 DIPLOMA PROGRAMME IN MECHANICAL ENGINEERING</b>										
<b>SEMESTER - III</b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME</b>				<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>	<b>CREDITS (L+T+P)</b>	<b>THEORY MARKS</b>		<b>PRACTICAL MARKS</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
3331901	MANUFACTURING ENGINEERING-I	3	0	4	7	70	30	40	60	200
3331902	THERMODYNAMICS	3	0	0	3	70	30	0	0	100
3331903	FLUID MECHANICS AND HYDRAULIC MACHINES	4	0	2	6	70	30	20	30	150
3331904	STRENGTH OF MATERIALS	3	0	2	5	70	30	20	30	150
3331905	APPLIED ELECTRICAL AND ELECTRONIC ENGINEERING	3	0	2	5	70	30	20	30	150
3331906	COMPUTER AIDED MACHINE DRAWING	0	0	4	4	0	0	40	60	100
3330001	HUMAN RESOURCE MANAGEMENT	2	0	0	2	70	30	0	0	100
<b>TOTAL</b>		<b>18</b>	<b>0</b>	<b>14</b>	<b>32</b>	<b>420</b>	<b>180</b>	<b>140</b>	<b>210</b>	<b>950</b>

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**L: LECTURE**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**

**P: PRACTICAL**

**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

**T: TUTORIAL**

## GUJARAT TECHNOLOGICAL UNIVERSITY

<b>BRANCH CODE:20 DIPLOMA PROGRAMME MECHATRONICS ENGINEERING</b>										
<b>SEMESTER - III</b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME</b>				<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>	<b>CREDITS (L+T+P)</b>	<b>THEORY MARKS</b>		<b>PRACTICAL MARKS</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
3330001	HUMAN RESOURCE MANAGEMENT	2	0	0	2	70	30	0	0	100
3332001	MANUFACTURING ENGINEERING - I	4	0	4	8	70	30	40	60	200
3321902	MATERIAL SCIENCE AND METALLURGY	3	0	2	5	70	30	20	30	150
3332002	DIGITAL CIRCUITS	4	0	2	6	70	30	20	30	150
3332003	EMBEDDED VISUAL BASIC PRACTICE	0	0	4	4	0	0	40	60	100
3331904	STRENGTH OF MATERIALS	3	0	2	5	70	30	20	30	150
<b>TOTAL</b>		<b>16</b>	<b>0</b>	<b>14</b>	<b>30</b>	<b>350</b>	<b>150</b>	<b>140</b>	<b>210</b>	<b>850</b>

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**L: LECTURE**

**P: PRACTICAL**

**T: TUTORIAL**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**

**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

## GUJARAT TECHNOLOGICAL UNIVERSITY

<b>BRANCH CODE:21 DIPLOMA PROGRAMME IN METALLURGY ENGINEERING</b>										
<b>SEMESTER - III</b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME</b>				<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>	<b>CREDITS (L+T+P)</b>	<b>THEORY MARKS</b>		<b>PRACTICAL MARKS</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
3331905	APPLIED ELECTRICAL AND ELECTRONIC ENGINEERING	3	0	2	5	70	30	20	30	150
3330001	HUMAN RESOURCE DEVELOPMENT	2	0	0	2	70	30	0	0	100
3332101	JOINING OF METALS	4	0	4	8	70	30	40	60	200
3332102	METAL FORMING & POWDER METALLURGY	3	0	4	7	70	30	40	60	200
3332103	NON FERROUS PRODUCTION METALLURGY	4	0	0	4	70	30	0	0	100
3332104	FUEL FURNACES AND REFRACTORIES	4	0	0	4	70	30	0	0	100
<b>TOTAL</b>		<b>20</b>	<b>0</b>	<b>10</b>	<b>30</b>	<b>420</b>	<b>180</b>	<b>100</b>	<b>150</b>	<b>850</b>

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**L: LECTURE**

**P: PRACTICAL**

**T: TUTORIAL**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**

**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

## GUJARAT TECHNOLOGICAL UNIVERSITY

BRANCH CODE:22 DIPLOMA PROGRAMME IN MINING ENGINEERING										
SEMESTER - III										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
3332201	INTRODUCTION TO MINING AND GEOLOGY	2	0	0	2	70	30	0	0	100
3332202	MINING-I	3	0	2	5	70	30	20	30	150
3332203	MINING GEOLOGY- I	3	0	2	5	70	30	20	30	150
3332204	MINING MACHINERIES-I	4	0	2	6	70	30	20	30	150
3330605	SURVEYING	3	0	6	9	70	30	60	90	250
3331905	APPLIED ELECTRICAL AND ELECTRONIC ENGINEERING	3	0	2	5	70	30	20	30	150
TOTAL		18	0	14	32	420	180	140	210	950

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**L: LECTURE**

**P: PRACTICAL**

**T: TUTORIAL**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**

**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

## GUJARAT TECHNOLOGICAL UNIVERSITY

<b>BRANCH CODE:23 DIPLOMA PROGRAMME IN PLASTIC ENGINEERING</b>										
<b>SEMESTER - III</b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME</b>				<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>	<b>CREDITS (L+T+P)</b>	<b>THEORY MARKS</b>		<b>PRACTICAL MARKS</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
3330001	HUMAN RESOURCE MANAGEMENT	2	0	0	2	70	30	0	0	100
3332301	BASIC MOULD DESIGN	3	0	4	7	70	30	40	60	200
3332302	COMPRESSION TRANSFER & INJECTION MOULDING OF THERMOSE	3	0	4	7	70	30	40	60	200
3332303	MOULD FABRICATION TECHNOLOGY-I	3	0	2	5	70	30	20	30	150
3332304	PLASTIC MATERIALS-I	3	0	2	5	70	30	20	30	150
3332305	TECHNOLOGY FOR INJECTION MOULDING	3	0	4	7	70	30	40	60	200
<b>TOTAL</b>		<b>17</b>	<b>0</b>	<b>16</b>	<b>33</b>	<b>350</b>	<b>180</b>	<b>160</b>	<b>240</b>	<b>1000</b>

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**L: LECTURE**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**

**P: PRACTICAL**

**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

**T: TUTORIAL**

## GUJARAT TECHNOLOGICAL UNIVERSITY

<b>BRANCH CODE:24 DIPLOMA PROGRAMME IN POWER ELECTRONICS</b>										
<b>SEMESTER - III</b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME</b>				<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>	<b>CREDITS (L+T+P)</b>	<b>THEORY MARKS</b>		<b>PRACTICAL MARKS</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
3330001	HUMAN RESOURCE MANAGEMENT	2	0	0	2	70	30	0	0	100
3332401	D.C. MACHINES AND TRANSFORMERS	4	0	2	6	70	30	20	30	150
3332402	GENERATION & TRANSMISSION OF ELECTRICAL POWER	4	0	2	6	70	30	20	30	150
3332403	ADVANCE ELECTRONIC DEVICES AND CIRCUITS	4	0	2	6	70	30	20	30	150
3332404	ELEMENTS OF POWER ELECTRONICS	4	0	2	6	70	30	20	30	150
3332405	LINEAR ELECTRONIC CIRCUITS	3	0	2	5	70	30	20	30	150
<b>TOTAL</b>		21	0	10	31	420	180	100	150	850

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**L: LECTURE**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**

**P: PRACTICAL**

**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

**T: TUTORIAL**



## GUJARAT TECHNOLOGICAL UNIVERSITY

<b>BRANCH CODE:28 DIPLOMA IN TEXTILE PROCESSING TECHNOLOGY</b>										
<b>SEMESTER - III</b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME</b>				<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>	<b>CREDITS (L+T+P)</b>	<b>THEORY MARKS</b>		<b>PRACTICAL MARKS</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
3330001	HUMAN RESOURCE MANAGEMENT	2	-	-	2	70	30	-	-	100
3332901	MECHANICAL ENGINEERING FOR TEXTILES	2	-	2	4	70	30	20	30	150
3332801	BLEACHING TECHNOLOGY FOR TEXTILES	4	-	2	6	70	30	20	30	150
3332802	DYEING TECHNOLOGY FOR NATURAL TEXTILES	4	-	4	8	70	30	40	60	200
3332803	PRINTING TECHNOLOGY FOR NATURAL TEXTILES	4	-	4	8	70	30	40	60	200
<b>TOTAL</b>		<b>16</b>	<b>0</b>	<b>12</b>	<b>28</b>	<b>350</b>	<b>150</b>	<b>120</b>	<b>180</b>	<b>800</b>

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**L: LECTURE**

**P: PRACTICAL**

**T: TUTORIAL**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**

**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

## GUJARAT TECHNOLOGICAL UNIVERSITY

<b>BRANCH CODE: 29 DIPLOMA IN TEXTILE MANUFACTURING TECHNOLOGY</b>										
<b>SEMESTER - III</b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME</b>				<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>	<b>CREDITS (L+T+P)</b>	<b>THEORY MARKS</b>		<b>PRACTICAL MARKS</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
3330001	HUMAN RESOURCE MANAGEMENT	2	-	-	2	70	30	-	-	100
3332901	MECHANICAL ENGINEERING FOR TEXTILE	2	0	2	4	70	30	20	30	150
3332902	YARN MANUFACTURING -II	3	0	4	7	70	30	40	60	200
3332903	WEAVING TECHNOLOGY - II	3	0	4	7	70	30	40	60	200
3332904	FABRIC STRUCTURE - I	3	0	4	7	70	30	40	60	200
3332905	GARMENT TECHNOLOGY	3	0	2	5	70	30	20	30	150
<b>TOTAL</b>		<b>16</b>	<b>0</b>	<b>16</b>	<b>32</b>	<b>420</b>	<b>180</b>	<b>160</b>	<b>240</b>	<b>1000</b>

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**L: LECTURE**  
**P: PRACTICAL**  
**T: TUTORIAL**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**

**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

## GUJARAT TECHNOLOGICAL UNIVERSITY

BRANCH CODE:50 DIPLOMA PROGRAMME IN ARCHITECTURAL ASSISTANTSHIP										
SEMESTER - III										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
3335001	ARCHITECTURAL DESIGN III* - PUBLIC BUILDINGS	0	0	12	12	0	0	100	200	300
3335002	BUILDING CONSTRUCTION	3	0	4	7	70	30	0	50	150
3335003	SURVEYING & LEVELLING	2	0	2	4	70	30	0	50	150
3335004	HISTORY OF ARCHITECTURE (WORLD)	3	0	0	3	70	30	0	0	100
3335005	COMPUTER AIDED DRAFTING	0	0	4	4	0	0	40	60	100
TOTAL		8	0	22	30	210	90	140	360	800

> The practical classes of above ( \* ) marked subjects have extensive theory component taught in them so as to develop and encourage subject related skills.Theory is to be taught during design process and in co-relation to other subjects.

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**L: LECTURE**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**

**P: PRACTICAL**

**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

**T: TUTORIAL**

## GUJARAT TECHNOLOGICAL UNIVERSITY

<b>BRANCH CODE: 51 DIPLOMA IN IN COMPUTER AIDED COSTUME DESIGN &amp; DRESS MAKING</b>										
<b>SEMESTER - III</b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME</b>				<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>	<b>CREDITS (L+T+P)</b>	<b>THEORY MARKS</b>		<b>PRACTICAL MARKS</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
3335101	GARMENT MACHINERY	4	0	2	6	70	30	20	30	150
3335102	ELEMENTS OF FASHION	3	0	0	3	70	30	0	0	100
3335103	GARMENT REPRESENTATION METHODS	0	0	4	4	0	0	40	60	100
3335104	INDIAN TEXTILE & SURFACE EMBELLISHMENT	3	0	2	5	70	30	20	30	150
3335105	ADVANCE PATTERN MAKING	0	0	6	6	0	0	60	90	150
3335106	DIGITAL ILLUSTRATION	0	0	4	4	0	0	40	60	100
3335107	ADVANCE CLOTHING CONSTRUCTION	0	0	4	4	0	0	40	60	100
<b>TOTAL</b>		<b>10</b>	<b>0</b>	<b>22</b>	<b>32</b>	<b>210</b>	<b>90</b>	<b>220</b>	<b>330</b>	<b>850</b>

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**L: LECTURE**  
**P: PRACTICAL**  
**T: TUTORIAL**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**

**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

## GUJARAT TECHNOLOGICAL UNIVERSITY

BRANCH CODE:52 DIPLOMA PROGRAMME IN CERAMIC ENGINEERING										
SEMESTER - III										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
3330001	HUMAN RESOURCE MANAGEMENT	2	0	0	2	70	30	0	0	100
3335201	ADVANCE CHEMISTRY	4	0	2	5	70	30	20	30	150
3335202	FUNDAMENTALS OF WHITE WARE	3	0	4	7	70	30	40	60	200
3335203	FUNDAMENTALS OF REFRACTORY	3	0	4	7	70	30	40	60	200
3335204	GLASS-I	3	0	2	5	70	30	20	30	150
3335205	FUELS & FURNANCES	3	0	0	3	70	30	0	0	100
TOTAL		18	0	12	30	420	180	120	180	900

ESE : END SEMESTER EXAM  
PA: PROGRESSIVE ASSESSMENT

L: LECTURE

P: PRACTICAL

T: TUTORIAL

ESE for Practical includes Viva/Practical exam/Performance etc.

PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals

PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term

## GUJARAT TECHNOLOGICAL UNIVERSITY

BRANCH CODE:55 DIPLOMA PROGRAMME IN FABRICATION TECHNOLOGY										
SEMESTER - III										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
3335501	FABRICATION DRAFTING	2	0	4	6	70	30	40	60	200
3335502	MECHANICAL TECHNOLOGY	4	0	2	6	70	30	20	30	150
3335503	MATERIAL & METALLURGY	4	0	2	6	70	30	20	30	150
3335504	WELDING TECHNOLOGY-I	4	0	2	6	70	30	20	30	150
3335505	FABRICATION TECHNOLOGY-1	4	0	2	6	70	30	20	30	150
TOTAL		18	0	12	30	350	150	120	180	800

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**L: LECTURE**

**P: PRACTICAL**  
**T: TUTORIAL**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**

**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

## GUJARAT TECHNOLOGICAL UNIVERSITY

BRANCH CODE:58 DIPLOMA PROGRAMME IN PRINTING TECHNOLOGY										
SEMESTER - III										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
3330001	HUMAN RESOURCE MANAGEMENT	2	0	0	2	70	30	0	0	100
3335801	MECHANICAL ENGINEERING FOR PRINTING	2	0	2	4	70	30	20	30	150
3335802	PRINTER'S SCIENCE	3	0	2	5	70	30	20	30	150
3335803	IMAGE CARRIER	4	0	2	6	70	30	20	30	150
3335804	PRINTING PROCESSES	4	0	2	6	70	30	20	30	150
3335805	BINDING & FINISHING PROCESS	3	0	4	7	70	30	40	60	200
TOTAL		18	0	12	30	420	180	120	180	900

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**L: LECTURE**

**P: PRACTICAL**

**T: TUTORIAL**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**

**PA for Theory includes Written Exam /Assignment/Tutorial Work/ Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

## GUJARAT TECHNOLOGICAL UNIVERSITY

<b>BRANCH CODE: 59 DIPLOMA IN TEXTILE DESIGNING</b>										
<b>SEMESTER - III</b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME</b>				<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>	<b>CREDITS (L+T+P)</b>	<b>THEORY MARKS</b>		<b>PRACTICAL MARKS</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
3330001	HUMAN RESOURCE MANAGEMENT	2	0	0	2	70	30	0	0	100
3335901	HISTORY OF TEXTILE DESIGN & AESTHETICS - I	2	0	0	2	70	30	0	0	100
3335902	COMPUTER APPLICATION	0	0	4	4	0	0	40	60	100
3335903	TEXTILE CRAFT - II	0	0	6	6	0	0	60	90	150
3335904	TEXTILE PROCESS - II	4	0	4	8	70	30	40	60	200
3335905	FABRIC DESIGN - II	4	0	4	8	70	30	40	60	200
<b>TOTAL</b>		12	0	18	30	280	120	180	270	850

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**L: LECTURE**  
**P: PRACTICAL**  
**T: TUTORIAL**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**

**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**



## GUJARAT TECHNOLOGICAL UNIVERSITY

BRANCH CODE: 60 DIPLOMA PROGRAMME IN TRANSPORTATION ENGINEERING										
SEMESTER - III										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
3330604	STRUCTURAL MECHANICS	4	1	2	7	70	30	20	30	150
3330603	HYDRAULICS	3	1	2	6	70	30	20	30	150
3330605	SURVEYING	3	0	6	9	70	30	60	40	250
3330602	CONSTRUCTION TECHNOLOGY	3	0	2	5	70	30	20	30	150
3336001	HIGHWAY MATERIALS & TESTING	2	1	2	5	70	30	20	30	150
TOTAL		15	3	14	32	350	150	140	160	850

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**

**L: LECTURE**

**P: PRACTICAL**

**T: TUTORIAL**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals**

**PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**