

**GUJARAT TECHNOLOGICAL UNIVERSITY**

<b>BRANCH CODE:02 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN AUTOMOBILE ENGINEERING</b>										
<b>SEMESTER - I</b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME(IN HOURS)</b>			<b>Total Hrs (L+T+P)</b>	<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>		<b>THEORY</b>		<b>PRACTICAL</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
C300001	BASIC MATHEMATICS	14	10	0	24	70	30	0	0	100
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
C300004	ENGINEERING PHYSICS ( GROUP-1 )	21	0	14	35	70	30	20	30	150
C300008	APPLIED MECHANICS	21	0	14	35	70	30	20	30	150
	Total	77	20	28	125	280	120	60	90	550

<b>BRANCH CODE:03 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN BIOMEDICAL ENGINEERING</b>										
<b>SEMESTER - I</b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME(IN HOURS)</b>			<b>Total Hrs (L+T+P)</b>	<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>		<b>THEORY</b>		<b>PRACTICAL</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
C300001	BASIC MATHEMATICS	14	10	0	24	70	30	0	0	100
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
C300006	ENGINEERING CHEMISTRY ( GROUP-2 )	21	0	14	35	70	30	20	30	150
C300003	ENVIRONMENT CONSERVATION & HAZARD MANAGEMENT	28	0	0	28	70	30	0	0	100
	Total	84	20	14	118	280	120	40	60	500

<b>BRANCH CODE:05 BRIDGE COURSE DIPLOMA PROGRAMME IN CHEMICAL ENGINEERING</b>										
<b>SEMESTER - I</b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME(IN HOURS)</b>			<b>Total Hrs (L+T+P)</b>	<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>		<b>THEORY</b>		<b>PRACTICAL</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
C300001	BASIC MATHEMATICS	14	10	0	24	70	30	0	0	100
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
C300011	BASIC CHEMISTRY(GROUP-4)	21	0	14	35	70	30	20	30	150
C310501	PHYSICAL ANALYTICAL & INORGANIC CHEMISTRY	21	0	14	35	70	30	20	30	150
	Total	77	20	28	125	280	120	60	90	550

BRANCH CODE:06 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN CIVIL ENGINEERING										
SEMESTER - I										
COURSE CODE	COURSE TITLE	TEACHING SCHEME(IN HOURS)			Total Hrs (L+T+P)	EXAMINATION SCHEME				GRAND TOTAL
		L	T	P		THEORY		PRACTICAL		
						ESE	PA	ESE	PA	
C300001	BASIC MATHEMATICS	14	10	0	24	70	30	0	0	100
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
C300003	ENVIRONMENT CONSERVATION & HAZARD	28	0	0	28	70	30	0	0	100
C300004	ENGINEERING PHYSICS ( GROUP-1 )	21	0	14	35	70	30	20	30	150
	Total	84	20	14	118	280	120	40	60	500

BRANCH CODE:07 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN COMPUTER ENGINEERING										
SEMESTER - I										
COURSE CODE	COURSE TITLE	TEACHING SCHEME(IN HOURS)			Total Hrs (L+T+P)	EXAMINATION SCHEME				GRAND TOTAL
		L	T	P		THEORY		PRACTICAL		
						ESE	PA	ESE	PA	
C300001	BASIC MATHEMATICS	14	10	0	24	70	30	0	0	100
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
C300003	ENVIRONMENT CONSERVATION & HAZARD MANAGEMENT	28	0	0	28	70	30	0	0	100
C310702	FUNDAMENTAL OF DIGITAL ELECTRONICS	21	0	14	35	70	30	20	30	150
	Total	84	20	14	118	280	120	40	60	500

BRANCH CODE:09 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN ELECTRICAL ENGINEERING										
SEMESTER - I										
COURSE CODE	COURSE TITLE	TEACHING SCHEME(IN HOURS)			Total Hrs (L+T+P)	EXAMINATION SCHEME				GRAND TOTAL
		L	T	P		THEORY		PRACTICAL		
						ESE	PA	ESE	PA	
C300001	BASIC MATHEMATICS	14	10	0	24	70	30	0	0	100
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
C300003	ENVIRONMENT CONSERVATION & HAZARD MANAGEMENT	28	0	0	28	70	30	0	0	100
C300006	ENGINEERING CHEMISTRY ( GROUP-2 )	21	0	14	35	70	30	20	30	150
C300015	FUNDAMENTAL OF MECHANICAL ENGINEERING	21	0	14	35	70	30	20	30	150
	Total	105	20	28	153	350	150	60	90	650

BRANCH CODE:11 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN ELECTRONICS & COMMUNICATION ENGINEERING										
SEMESTER - I										
COURSE CODE	COURSE TITLE	TEACHING SCHEME(IN HOURS)			Total Hrs (L+T+P)	EXAMINATION SCHEME				GRAND TOTAL
		L	T	P		THEORY		PRACTICAL		
						ESE	PA	ESE	PA	
C300001	BASIC MATHEMATICS	14	10	0	24	70	30	0	0	100
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
C300005	BASIC PHYSICS (GROUP-2)	21	0	14	35	70	30	20	30	150
	Total	56	20	14	90	210	90	40	60	400

BRANCH CODE:13 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN ENVIRONMENT ENGINEERING										
SEMESTER - I										
COURSE CODE	COURSE TITLE	TEACHING SCHEME(IN HOURS)			Total Hrs (L+T+P)	EXAMINATION SCHEME				GRAND TOTAL
		L	T	P		THEORY		PRACTICAL		
						ESE	PA	ESE	PA	
C300001	BASIC MATHEMATICS	14	10	0	24	70	30	0	0	100
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
C300003	ENVIRONMENT CONSERVATION & HAZARD MANAGEMENT	28	0	0	28	70	30	0	0	100
C300004	ENGINEERING PHYSICS (GROUP-1)	21	0	14	35	70	30	20	30	150
	Total	84	20	14	118	280	120	40	60	500

BRANCH CODE:16 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN INFORMATION TECHNOLOGY										
SEMESTER - I										
COURSE CODE	COURSE TITLE	TEACHING SCHEME(IN HOURS)			Total Hrs (L+T+P)	EXAMINATION SCHEME				GRAND TOTAL
		L	T	P		THEORY		PRACTICAL		
						ESE	PA	ESE	PA	
C300001	BASIC MATHEMATICS	14	10	0	24	70	30	0	0	100
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
C300003	ENVIRONMENT CONSERVATION & HAZARD MANAGEMENT	28	0	0	28	70	30	0	0	100
C310702	FUNDAMENTAL OF DIGITAL ELECTRONICS	21	0	14	35	70	30	20	30	150
	Total	84	20	14	118	280	120	40	60	500

BRANCH CODE:17 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN INSTRUMENTATION & CONTROL ENGINEERING										
SEMESTER - I										
COURSE CODE	COURSE TITLE	TEACHING SCHEME(IN HOURS)			Total Hrs (L+T+P)	EXAMINATION SCHEME				GRAND TOTAL
		L	T	P		THEORY		PRACTICAL		
						ESE	PA	ESE	PA	
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
C300003	ENVIRONMENT CONSERVATION & HAZARD MANAGEMENT	28	0	0	28	70	30	0	0	100
C311703	PRINCIPLES OF CHEMICAL ENGINEERING	21	0	0	21	70	30	0	0	100
	Total	70	10	0	80	210	90	20	30	350

BRANCH CODE:19 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN MECHANICAL ENGINEERING										
SEMESTER - I										
COURSE CODE	COURSE TITLE	TEACHING SCHEME(IN HOURS)			Total Hrs (L+T+P)	EXAMINATION SCHEME				
		L	T	P		THEORY		PRACTICAL		GRAND TOTAL
						ESE	PA	ESE	PA	
C300001	BASIC MATHEMATICS	14	10	0	24	70	30	0	0	100
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
C300003	ENVIRONMENT CONSERVATION & HAZARD MANAGEMENT	28	0	0	28	70	30	0	0	100
C300004	ENGINEERING PHYSICS (GROUP-1)	21	0	14	35	70	30	20	30	150
	Total	84	20	14	118	280	120	40	60	500

BRANCH CODE:20 BRIDGE COURSE FOR DIPLOMA PROGRAMME MECHATRONICS ENGINEERING										
SEMESTER - I										
COURSE CODE	COURSE TITLE	TEACHING SCHEME(IN HOURS)			Total Hrs (L+T+P)	EXAMINATION SCHEME				
		L	T	P		THEORY		PRACTICAL		GRAND TOTAL
						ESE	PA	ESE	PA	
C300001	BASIC MATHEMATICS	14	10	0	24	70	30	0	0	100
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
C300004	ENGINEERING PHYSICS (GROUP-1 )	21	0	14	35	70	30	20	30	150
C300007	BASIC ENGINEERING DRAWING	14	0	28	42	70	30	40	60	200
	Total	70	20	42	132	280	120	80	120	600

BRANCH CODE:21 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN METALLURGY ENGINEERING										
SEMESTER - I										
COURSE CODE	COURSE TITLE	TEACHING SCHEME(IN HOURS)			Total Hrs (L+T+P)	EXAMINATION SCHEME				
		L	T	P		THEORY		PRACTICAL		GRAND TOTAL
						ESE	PA	ESE	PA	
C300001	BASIC MATHEMATICS	14	10	0	24	70	30	0	0	100
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
C300004	ENGINEERING PHYSICS ( GROUP-1 )	21	0	14	35	70	30	20	30	150
C300008	APPLIED MECHANICS	21	0	14	35	70	30	20	30	150
	Total	77	20	28	125	280	120	60	90	550

**BRANCH CODE:23 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN PLASTIC ENGINEERING  
SEMESTER - I**

COURSE CODE	COURSE TITLE	TEACHING SCHEME(IN HOURS)			Total Hrs (L+T+P)	EXAMINATION SCHEME				GRAND TOTAL
		L	T	P		THEORY		PRACTICAL		
						ESE	PA	ESE	PA	
C300001	BASIC MATHEMATICS	14	10	0	24	70	30	0	0	100
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
C300004	ENGINEERING PHYSICS(GROUP-1)	21	0	14	35	70	30	20	30	150
C300015	FUNDAMENTAL OF MECHANICAL ENGINEERING	21	0	14	35	70	30	20	30	150
C312301	BASIC POLYMER CHEMISTRY	21	0	14	35	70	30	20	30	150
	Total	98	20	42	160	350	150	80	120	700

**BRANCH CODE:24 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN POWER ELECTRONICS  
SEMESTER - I**

COURSE CODE	COURSE TITLE	TEACHING SCHEME(IN HOURS)			Total Hrs (L+T+P)	EXAMINATION SCHEME				GRAND TOTAL
		L	T	P		THEORY		PRACTICAL		
						ESE	PA	ESE	PA	
C300001	BASIC MATHEMATICS	14	10	0	24	70	30	0	0	100
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
C300006	ENGINEERING CHEMISTRY(GROUP-2)	21	0	14	35	70	30	20	30	150
C320901	BASIC OF ELECTRICAL ENGINEERING	21	0	14	35	70	30	20	30	150
	Total	77	20	28	125	280	120	60	90	550

**BRANCH CODE:28 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN TEXTILE PROCESSING TECHNOLOGY  
SEMESTER - I**

COURSE CODE	COURSE TITLE	TEACHING SCHEME(IN HOURS)			Total Hrs (L+T+P)	EXAMINATION SCHEME				GRAND TOTAL
		L	T	P		THEORY		PRACTICAL		
						ESE	PA	ESE	PA	
C300001	BASIC MATHEMATICS	14	10	0	24	70	30	0	0	100
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
C300007	BASIC ENGINEERING DRAWING	14	0	28	42	70	30	40	60	200
C300011	BASIC CHEMISTRY ( GROUP-4)	21	0	14	35	70	30	20	30	150
	Total	70	20	42	132	280	120	80	120	600

BRANCH CODE:29 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN TEXTILE MANUFACTURING TECHNOLOGY										
SEMESTER - I										
COURSE CODE	COURSE TITLE	TEACHING SCHEME(IN HOURS)			Total Hrs (L+T+P)	EXAMINATION SCHEME				GRAND TOTAL
		L	T	P		THEORY		PRACTICAL		
						ESE	PA	ESE	PA	
C300001	BASIC MATHEMATICS	14	10	0	24	70	30	0	0	100
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
C300011	BASIC CHEMISTRY ( GROUP-4)	21	0	14	35	70	30	20	30	150
	Total	56	20	14	90	210	90	40	60	400

BRANCH CODE:50 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN ARCHITECTURAL ASSISTANTSHIP										
SEMESTER - I										
COURSE CODE	COURSE TITLE	TEACHING SCHEME(IN HOURS)			Total Hrs (L+T+P)	EXAMINATION SCHEME				GRAND TOTAL
		L	T	P		THEORY		PRACTICAL		
						ESE	PA	ESE	PA	
C315003	BUILDING MATERIALS	21	0	0	21	70	30	0	0	100
C315004	BASIC DESIGN	14	0	28	42	70	30	40	60	200
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
	Total	56	10	28	94	210	90	60	90	450

BRANCH CODE:55 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN FABRICATION TECHNOLOGY										
SEMESTER - I										
COURSE CODE	COURSE TITLE	TEACHING SCHEME(IN HOURS)			Total Hrs (L+T+P)	EXAMINATION SCHEME				GRAND TOTAL
		L	T	P		THEORY		PRACTICAL		
						ESE	PA	ESE	PA	
C300001	BASIC MATHEMATICS	14	10	0	24	70	30	0	0	100
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
C300003	ENVIRONMENT CONSERVATION & HAZARD MANAGEMENT	28	0	0	28	70	30	0	0	100
C300004	ENGINEERING PHYSICS (GROUP-1)	21	0	14	35	70	30	20	30	150
C300014	BASIC OF ELECTRICAL & ELECTRONICS	21	0	14	35	70	30	20	30	150
	Total	105	20	28	153	350	150	60	90	650

BRANCH CODE:59 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN TEXTILE DESIGNING										
SEMESTER - I										
COURSE CODE	COURSE TITLE	TEACHING SCHEME(IN HOURS)			Total Hrs (L+T+P)	EXAMINATION SCHEME				GRAND TOTAL
		L	T	P		THEORY		PRACTICAL		
						ESE	PA	ESE	PA	
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
C300003	ENVIRONMENT CONSERVATION & HAZARD MANAGEMENT	28	0	0	28	70	30	0	0	100
C315902	FUNDAMENTAL OF TEXTILE TECHNOLOGY	21	0	14	35	70	30	20	30	150
	Total	70	10	14	94	210	90	40	60	400

**ESE : END SEMESTER EXAM**  
**PA: PROGRESSIVE ASSESSMENT**  
**L: LECTURE**  
**T: TUTORIAL**  
**P: PRACTICAL**

**ESE for Practical includes Viva/Practical exam/Performance etc.**  
**PA for Practicals includes TW/Report writing/Seminar etc. related to practices**  
**PA for Theory includes Written Exam /Assignment/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term**

**Note: For syllabus of Bridge Course refer as per table below:**

<b>Bridge Course Code</b>		<b>Regular Course code</b>
C300001	<=>	3300001
C300002	<=>	3300002
C300004	<=>	3300004
C300008	<=>	3300008
C300006	<=>	3300006
C300003	<=>	3300003
C300011	<=>	3300011
C310501	<=>	3310501
C310702	<=>	3310702
C300015	<=>	3300015
C300005	<=>	3300005
C310702	<=>	3310702
C311703	<=>	3311703
C300007	<=>	3300007
C312301	<=>	3312301
C320901	<=>	3320901
C315003	<=>	3315003
C315004	<=>	3315004
C300014	<=>	3300014
C315902	<=>	3315902