

GUJARAT TECHNOLOGICAL UNIVERSITY

BRANCH CODE:02 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN AUTOMOBILE ENGINEERING										
SEMESTER - III										
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	
C300003	ENVIRONMENT CONSERVATION & HAZARD MANAGEMENT	28	0	0	28	70	30	0	0	100
C320201	THERMODYNAMICS & HYDRAULICS	21	10	0	31	70	30	0	0	100
	TOTAL	49	10	0	59	140	60	0	0	200

BRANCH CODE:03 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN BIOMEDICAL ENGINEERING										
SEMESTER - II										
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	
C320002	ADVANCED MATHEMATICS (GROUP-1)	14	10	0	24	70	30	0	0	100
C300005	BASIC PHYSICS (GROUP-2)	21	0	14	35	70	30	20	30	150
C310702	FUNDAMENTAL OF DIGITAL ELECTRONICS	21	0	14	35	70	30	20	30	150
C320301	HUMAN ANATOMY	28	0	0	28	70	30	0	0	100
C320302	HUMAN PHYSIOLOGY	28	0	28	56	70	30	40	60	200
	TOTAL	112	10	56	178	350	150	80	120	700

BRANCH CODE:05 BRIDGE COURSE DIPLOMA PROGRAMME IN CHEMICAL ENGINEERING										
SEMESTER - II										
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	
C320002	ADVANCED MATHEMATICS (GROUP-1)	14	10	0	24	70	30	0	0	100
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	63	10	14	87	210	90	20	30	350

BRANCH CODE:06 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN CIVIL ENGINEERING										
SEMESTER - II										
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	
C320003	ADVANCED MATHEMATICS(GROUP-2)	14	10	0	24	70	30	0	0	100
C300008	APPLIED MECHANICS	21	0	14	35	70	30	20	30	150
C300009	APPLIED CHEMISTRY (GROUP-1)	21	0	14	35	70	30	20	30	150
	TOTAL	56	10	28	94	210	90	40	60	400

BRANCH CODE:07 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN COMPUTER ENGINEERING										
SEMESTER - II										
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	
C320002	ADVANCED MATHEMATICS (GROUP-1)	14	10	0	24	70	30	0	0	100
C300005	BASIC PHYSICS (GROUP-2)	21	0	14	35	70	30	20	30	150
C320702	ADVANCED COMPUTER PROGRAMMING	21	0	28	49	70	30	40	60	200
	TOTAL	56	10	42	108	210	90	60	90	450

BRANCH CODE:09 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN ELECTRICAL ENGINEERING										
SEMESTER - II										
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	
C320002	ADVANCED MATHEMATICS (GROUP-1)	14	10	0	24	70	30	0	0	100
C320004	BASIC OF CIVIL ENGINEERING	0	5	14	19	0	0	20	30	50
C300005	BASIC PHYSICS (GROUP-2)	21	0	14	35	70	30	20	30	150
C320903	D.C.CIRCUITS	14	10	14	38	70	30	20	30	150
	TOTAL	49	25	42	116	210	90	60	90	450

BRANCH CODE:11 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN ELECTRONICS & COMMUNICATION ENGINEERING										
SEMESTER - II										
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	
C320002	ADVANCED MATHEMATICS (GROUP-1)	14	10	0	24	70	30	0	0	100
C300003	ENVIRONMENT CONSERVATION & HAZARD MANAGEMENT	28	0	0	28	70	30	0	0	100
C321102	ELECTRONIC NETWORKS	21	10	14	45	70	30	20	30	150
	TOTAL	63	20	14	97	210	90	20	30	350

BRANCH CODE:13 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN ENVIRONMENT ENGINEERING										
SEMESTER - II										
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	
C320003	ADVANCED MATHEMATICS(GROUP-2)	14	10	0	24	70	30	0	0	100
C300008	APPLIED MECHANICS	21	0	14	35	70	30	20	30	150
C300009	APPLIED CHEMISTRY (GROUP-1)	21	0	14	35	70	30	20	30	150
C320602	BASIC MECHANICAL ENGINEERING	0	5	14	19	0	0	20	30	50
	TOTAL	56	15	42	113	210	90	60	90	450

BRANCH CODE:16 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN INFORMATION TECHNOLOGY										
SEMESTER - II										
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	
C320002	ADVANCED MATHEMATICS(GROUP-1)	14	10	0	24	70	30	0	0	100
C300005	BASIC PHYSICS (GROUP-2)	21	0	14	35	70	30	20	30	150
C320702	ADVANCED COMPUTER PROGRAMMING	21	0	28	49	70	30	40	60	200
	TOTAL	56	10	42	108	210	90	60	90	450

BRANCH CODE:17 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN INSTRUMENTATION & CONTROL ENGINEERING										
SEMESTER - II										
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	
C300005	BASIC PHYSICS (GROUP-2)	21	0	14	35	70	30	20	30	150
C321704	INSTRUMENT CONFIGURATION PRATICES	0	0	28	28	0	0	40	60	100
	TOTAL	21	0	42	63	70	30	60	90	250

BRANCH CODE:19 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN MECHANICAL ENGINEERING**SEMESTER - II**

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	
C320003	ADVANCED MATHEMATICS (GROUP-2)	14	10	0	24	70	30	0	0	100
C300008	APPLIED MECHANICS	21	0	14	35	70	30	20	30	150
C321902	MATERIAL SCIENCE & METALLURGY	21	0	14	35	70	30	20	30	150
C321901	MECHANICAL DRAFTING	14	0	42	56	70	30	40	60	200
C320004	BASIC OF CIVIL ENGINEERING	0	5	14	19	0	0	20	30	50
	TOTAL	70	15	84	169	280	120	100	150	650

BRANCH CODE:20 BRIDGE COURSE FOR DIPLOMA PROGRAMME MECHATRONICS ENGINEERING**SEMESTER - II**

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	
C322001	FUNDAMENTALS OF ELECTRONICS ENGINEERING	28	0	14	42	70	30	20	30	150
C300008	APPLIED MECHANICS	21	0	14	35	70	30	20	30	150
C321901	MECHANICAL DRAFTING	14	0	42	56	70	30	40	60	200
C300003	ENVIRONMENT CONSERVATION & HAZARD MANAGEMENT	28	0	0	28	70	30	0	0	100
	TOTAL	91	0	70	161	280	120	80	120	600

BRANCH CODE:21 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN METALLURGY ENGINEERING**SEMESTER - II**

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	
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
C322101	BASIC PHYSICAL METALLURGY	21	0	14	35	70	30	20	30	150
C322102	METALLURGY DRAWING	0	5	49	54	0	0	40	60	100
	TOTAL	91	5	91	187	280	120	100	150	650

BRANCH CODE:23 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN PLASTIC ENGINEERING										
SEMESTER - II										
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	
C300003	ENVIRONMENT CONSERVATION & HAZARD MANAGEMENT	28	0	0	28	70	30	0	0	100
C320901	BASIC OF ELECTRICAL ENGINEERING	21	0	14	35	70	30	20	30	150
C322301	POLYMER CHEMISTRY	21	0	14	35	70	30	20	30	150
	TOTAL	70	0	28	98	210	90	40	60	400

BRANCH CODE:24 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN POWER ELECTRONICS										
SEMESTER - II										
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	
C320002	ADVANCED MATHEMATICS (GROUP-1)	14	10	0	24	70	30	0	0	100
C300003	ENVIRONMENT CONSERVATION & HAZARD MANAGEMENT	28	0	0	28	70	30	0	0	100
C300005	BASIC PHYSICS (GROUP-2)	21	0	14	35	70	30	20	30	150
C322401	BASIC ELECTRONIC CIRCUITS	28	0	28	56	70	30	40	60	200
C322402	DIGITAL ELECTRONICS	21	10	14	45	70	30	20	30	150
	TOTAL	112	20	56	188	350	150	80	120	700

BRANCH CODE:28 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN TEXTILE PROCESSING TECHNOLOGY										
SEMESTER - II										
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	
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
C320501	ORGANIC CHEMISTRY	28	0	14	42	70	30	20	30	150
C322801	FIBER SCIENCE & TECHNOLGY	28	0	0	28	70	30	0	0	100
	TOTAL	105	0	28	133	280	120	40	60	500

BRANCH CODE:29 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN TEXTILE MANUFACTURING TECHNOLOGY										
SEMESTER - II										
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	
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
C322901	YARN MANUFACTURING-I	21	0	28	49	70	30	40	60	200
	TOTAL	70	0	42	112	210	90	60	90	450

BRANCH CODE:50 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN ARCHITECTURAL ASSISTANTSHIP										
SEMESTER - II										
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	
C325001	ARCHITECTURAL DESIGN-II(SINGLE VOLUME)	0	0	56	56	0	0	80	120	200
C325002	ARCHITECTURAL DRAWING-II	28	0	28	56	70	30	40	60	200
C325003	ADVANCED BUILDING MATERIALS	21	0	0	21	70	30	0	0	100
C325004	HISTORY OF ARCHITECTURE(INDIAN)	21	0	0	21	70	30	0	0	100
C300003	ENVIRONMENT CONSERVATION & HAZARD MANAGEMENT	28	0	0	28	70	30	0	0	100
	TOTAL	98	0	84	182	280	120	120	180	700

BRANCH CODE:55 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN FABRICATION TECHNOLOGY										
SEMESTER - II										
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	
C300007	BASIC ENGINEERING DRAWING	14	0	28	42	70	30	40	60	200
C300008	APPLIED MECHANICS	21	0	14	35	70	30	20	30	150
C300006	ENGINEERING CHEMISTRY (GROUP-2)	21	0	14	35	70	30	20	30	150
	TOTAL	56	0	56	112	210	90	80	120	500

BRANCH CODE:59 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN TEXTILE DESIGNING										
SEMESTER - II										
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	
C325901	TEXTILE PROCESSES-I	21	0	14	35	70	30	20	30	150
C325902	TEXTILE CRAFT-I	0	5	28	33	0	0	40	60	100
C325903	FABRIC DESIGN-I	21	0	14	35	70	30	20	30	150
C325904	DRAWING SKETCHING & PAINTING-II	14	0	42	56	70	30	40	60	200
	TOTAL	56	5	98	159	210	90	120	180	600

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:

Bridge Course Code		Regular Course code
C300003	<=>	3300003
C320201	<=>	3320201
C320002	<=>	3320002
C300005	<=>	3300005
C310702	<=>	3310702
C320301	<=>	3320301
C320302	<=>	3320302
C300004	<=>	3300004
C320003	<=>	3320003
C300008	<=>	3300008
C300009	<=>	3300009
C320702	<=>	3320702
C320004	<=>	3320004
C320903	<=>	3320903
C321102	<=>	3321102
C320602	<=>	3320602
C321704	<=>	3321704
C321902	<=>	3321902
C321901	<=>	3321901
C322001	<=>	3322001
C300006	<=>	3300006
C300015	<=>	3300015
C322101	<=>	3322101
C322102	<=>	3322102

C320901	<=>	3320901
C322301	<=>	3322301
C322401	<=>	3322401
C322402	<=>	3322402
C320501	<=>	3320501
C322801	<=>	3322801
C322901	<=>	3322901
C325001	<=>	3325001
C325002	<=>	3325002
C325003	<=>	3325003
C325004	<=>	3325004
C300007	<=>	3300007
C325901	<=>	3325901
C325902	<=>	3325902
C325903	<=>	3325903
C325904	<=>	3325904