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ANNEXURE V

**GUJARAT UNIVERSITY
B.E. INSTRUMENTATION & CONTROL
ENGINEERING**

**TEACHING AND EXAMINATION SCHEME (NEW)
B.E. SEM III TO VIII**

**GRADUALLY EFFECTIVE FROM
JULY/ AUGUST 2002 ONWARDS**

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EFFECTIVE FROM JUNE 2002

NEW SCHEME FOR B. E. SEM III (IC)

Sr. no	SUBJECT	TEACHING SCHEME			EXAM SCHEME			
		LECT	TUT	PRAC	THEORY 3 Hrs.	Prac/ Oral	TW	TOTAL
301	MATHS III	4	-	-	100	-	-	100
302	CIRCUIT THEORY	4	-	2	100	25	25	150
303	ELECTRICAL ENGINEERING	4	-	2	100	25	25	150
304	BASIC ELECTRONICS DESIGN	4	-	2	100	25	25	150
305	DIGITAL ELECTRONIC THEORY & DESIGN	4	-	2	100	25	25	150
306	INSTRUMENTATION WORKSHOP	0	-	2	-	25	25	50
		20	-	10	500	125	125	750

NEW SCHEME FOR B. E. SEM IV (IC)

Sr. no	SUBJECT	TEACHING SCHEME			EXAM SCHEME			
		LECT	TUT	PRAC	THEORY 3 Hrs.	Prac/ Oral	TW	TOTAL
401	APPLIED MATHS	4	-	-	100	-	-	100
402	ADVANCE ELECTRONICS DESIGN	4	-	2	100	25	25	150
403	MICROPROCESSOR: ARCHITECTURE & PROGRAMMING	4	-	2	100	25	25	150
404	CONTROL THEORY	4	-	2	100	25	25	150
405	ELECTRICAL & ELECTRONICS MEASUREMENT	4	-	2	100	25	25	150
406	SIMULATION PACKAGES	0	-	2	-	25	25	50
		20		10	500	125	125	750

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NEW SCHEME FOR B. E. SEM V(IC)

Sr. no	SUBJECT	TEACHING SCHEME			EXAM SCHEME			
		LECT	TUT	PRAC	THEORY 3 Hrs.	Prac/ Oral	TW	TOTAL
IC/								
501	MICROPROCESSOR & MICROCONTROLLERS APPLICATION	4	-	2	100	25	25	150
502	APPLIED ELECTRONICS	4	-	2	100	25	25	150
503	CONTROL SYSTEM COMPONENTS	4	-	-	100			100
504	TRANSDUCERS	4	-	2	100	25	25	150
505	ELECTRONICS IN INDUSTRY	4	-	2	100	25	25	150
506	SEMINAR	0	-	2	-	25	25	50
		20	-	10	500	125	125	750

NEW SCHEME FOR B. E. SEM VI (IC)

Sr. no	SUBJECT	TEACHING SCHEME			EXAM SCHEME			
		LECT	TUT	PRAC	THEORY 3 Hrs.	Prac/ Oral	TW	TOTAL
IC/								
601	ELECTRONIC COMMUNICATION	4	-	2	100	25	25	150
602	MEAS. & CONTROL TECHNIQUES	4	-	2	100	25	25	150
603	INSTRUMENTATION SYSTEM DESIGN	4	-	2	100	25	25	150
604	DATA ACQUISITION SYSTEM	4	-	2	100	25	25	150
605	PROCESS CONTROL DESIGN - I	4	-	2	100	25	25	150
		20	-	10	500	125	125	750

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NEW SCHEME FOR B. E. SEM VII (IC)

Sr. no	SUBJECT	TEACHING SCHEME			EXAM SCHEME			
		LECT	TUT	PRAC	THEORY 3 Hrs.	Prac/Ora l	TW	TOTAL
701	CONTROL SYSTEMS DESIGN	4	-	2	100	25	25	150
702	PROCESS CONTROL DESIGN II	4	-	2	100	25	25	150
703	PROJECT PLANNING & FINANCIAL MANAGEMENT	3	-	0	100	-		100
704	BIOMEDICAL INSTRUMENTATION	4	-	2	100	25	25	150
705	DIGITAL SIGNAL PROCESSING	3	-	2	100	25	25	150
706	ADVANCE COMPUTER PROGRAMMING	0	-	4	0	50	50	100
		18		12	500	150	150	800

NEW SCHEME FOR B. E. SEM VII(IC)

Sr. no	SUBJECT	TEACHING SCHEME			EXAM SCHEME			
		LECT	TUT	PRAC	THEORY 3 Hrs.	Prac/Ora l	TW	TOTAL
801	INDUSTRIAL DRIVES AND CONTROLS	4	-	2	100	25	25	150
802	NON LINEAR & DIGITAL CONTROL DESIGN	4	-	2	100	25	25	150
803	PROJECT II	0	-	18	-	150	150	300
		08		22	200	200	200	600

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