

4/2/2022 - 8

## **ANNEXURE IV**

**TEACHING & EXAMINATION SCHEME (NEW)**

**FOR**

**B.E. (ELECTRONICS AND COMMUNICATION)**

**SEMESTER -III TO VIII**

CC

From Academic Year 2002-2003  
GUJARAT UNIVERSITY

TEACHING AND EXAMINATION SCHEME (NEW)  
FOR  
B.E. (ELECTRONICS & COMMUNICATION ENGINEERING)  
SEMESTER-III

Sr. No.	Subject Title	Teaching Scheme			Examination Scheme				Total	
		Th.	Tut.	Pr.	Theory		Practical			T.w Max. Marks
					Hrs.	Max. Marks	Hrs.	Max. Marks		
EC301	Mathematics-III	4	—	—	3	100	—	—	—	100
EC302	Circuit Theory	4	—	2	3	100	3	25	25	150
EC303	Digital Electronics	4	—	2	3	100	3	25	25	150
EC304	Electrical Technology	4	—	2	3	100	3	25	25	150
EC305	Electronic Devices & Circuits-I	4	—	2	3	100	3	25	25	150
EC306	Electronics Workshop	—	—	2	—	—	—	25	25	50
<b>Total</b>									<b>750</b>	

From Academic Year 2002-2003  
GUJARAT UNIVERSITY

TEACHING AND EXAMINATION SCHEME (NEW)  
FOR  
B.E. (ELECTRONICS & COMMUNICATION ENGINEERING)  
SEMESTER-IV

Sr. No.	Subject Title	Teaching Scheme			Examination Scheme				Total	
		Th.	Tut.	Pr.	Theory		Practical			T.w Max. Marks
					Hrs.	Max. Marks	Hrs.	Max. Marks		
1	Applied Mathematics	4	—	—	3	100	—	—	—	100
EC402	Engg. Economics & Business Management	4	—	—	3	100	—	—	—	100
EC403	Electronic Devices and Circuits- II	4	—	2	3	100	3	25	25	150
C404	Control Theory	4	—	2	3	100	3	25	25	150
C405	Microprocessor & Peripherals	4	—	2	3	100	3	25	25	150
C406	Application Packages	—	—	2	—	—	3	25	25	50
C407	Seminar	—	—	2	—	—	—	25	25	50
<b>Total</b>									<b>750</b>	

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From Academic Year 2003-2004  
GUJARAT UNIVERSITY

**TEACHING AND EXAMINATION SCHEME (NEW)  
FOR  
B.E. (ELECTRONICS & COMMUNICATION ENGINEERING)  
SEMESTER-V**

Sr. No.	Subject title	Teaching Scheme			Examination Scheme					
		Th.	Tu.	Pr.	Theory		Practical		T.w Max. Marks	Total
					Hrs.	Max. Marks	Hrs.	Max. Marks		
EC501	Integrated Circuits & Applications	4		2	3	100	3	25	25	150
EC502	Electronic Communication	4	—	2	3	100	3	25	25	150
EC503	Electro Magnetic Theory	4	—	—	3	100	—	—	—	100
EC504	Electronic Measurement & Instruments	4	—	2	3	100	3	25	25	150
EC505	Power Electronics	4	—	2	3	100	3	25	25	150
EC506	Seminar	—	—	2	—	—	—	25	25	50
									<b>Total</b>	<b>750</b>

From Academic Year 2003-2004  
GUJARAT UNIVERSITY

**TEACHING AND EXAMINATION SCHEME (NEW)  
FOR  
B.E. (ELECTRONICS & COMMUNICATION ENGINEERING)  
SEMESTER-VI**

Sr. No.	Subject title	Teaching Scheme			Examination Scheme					
		Th.	Tu.	Pr.	Theory		Practical		T.w Max. Marks	Total
					Hrs.	Max. Marks	Hrs.	Max. Marks		
EC601	Optical Communication	4		2	3	100	3	25	25	150
EC602	Advanced Microprocessors & Microcontrollers	4	—	2	3	100	3	25	25	150
EC603	Antenna & Wave Propagation	4	—	2	3	100	3	25	25	150
EC604	Digital Communication	4	—	2	3	100	3	25	25	150
EC605	Elective-I *	4	—	2	3	100	3	25	25	150
									<b>Total</b>	<b>750</b>

**Elective-I**

- VLSI TECHNOLOGY & DESIGN
- DIGITAL SYSTEM DESIGN
- RADAR AND NAVIGATIONAL AIDS
- ALGORITHM AND DATA STRUCTURE

60

From Academic Year 2004-2005  
GUJARAT UNIVERSITY

**TEACHING AND EXAMINATION SCHEME (NEW)  
FOR  
B.E. (ELECTRONICS & COMMUNICATION ENGINEERING)  
SEMESTER-VII**

Sr. No.	Subject title	Teaching Scheme			Examination Scheme					
		Th.	Tu.	Pr.	Theory		Practical		T.w Max. Marks	Total
					Hrs.	Max. Marks	Hrs.	Max. Marks		
EC701	Data Communication & Networking	4	—	2	3	100	3	25	25	150
EC702	Digital Signal Processing	4	—	2	3	100	3	25	25	150
EC703	Microwave Engg. & Satellite communication	4	—	2	3	100	3	25	25	150
EC704	Television Engineering	4	—	2	3	100	3	25	25	150
EC705	Elective-II*	4	—	2	3	100	3	25	25	150
<b>Total</b>									<b>750</b>	

**Elective- II**

- TELECOMMUNICATION TRANSMISSION & SWITCHING
- MOBILE COMMUNICATION
- EMBEDDED SYSTEMS
- BIOMEDICAL INSTRUMENTATION

From Academic Year 2004-2005  
GUJARAT UNIVERSITY

**TEACHING AND EXAMINATION SCHEME (NEW)  
FOR  
B.E. (ELECTRONICS & COMMUNICATION ENGINEERING)  
SEMESTER-VIII**

Sr. No.	Subject title	Teaching Scheme			Examination Scheme					
		Th.	Tu.	Pr.	Theory		Practical		T.w Max. Marks	Total
					Hrs.	Max. Marks	Hrs.	Max. Marks		
EC801	Project	—	—	30				150	150	300
<b>Total</b>									<b>300</b>	