

**SECOND YEAR OF BACHELOR'S DEGREE COURSE IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
(REVISED COURSE-2007)
SCHEME OF INSTRUCTION AND EXAMINATION**

SEMESTER III

Sub code	Subjects	Scheme Of Instruction Hrs/Week			Scheme Of Examination					
		L	T	P	Th. Dur (Hrs)	Marks				
						Th.	S	P	O	Total
3.1	Applied Mathematics-III	4	0	-	3	100	25	-	-	125
3.2	Digital System Design	4	0	2	3	100	25	50	-	175
3.3	Network Analysis and Synthesis	3	1	2	3	100	25	-	-	125
3.4	Electronic Devices and Circuits	3	1	2	3	100	25	50	-	175
3.5	Managerial Economics	4	0	-	3	100	25	-	-	125
3.6	Computer Oriented Numerical Techniques	4	0	2	3	100	25	-	-	125
	TOTAL	22	2	8	-	600	150	100	-	850

L – Lectures, T-Tutorials, P-Practicals.

Th. Dur. – Duration of Theory Paper

Th – Theory, S – Sessional, P– Practical, O – Oral.

**SECOND YEAR OF BACHELOR'S DEGREE COURSE IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
(REVISED COURSE-2007)
SCHEME OF INSTRUCTION AND EXAMINATION**

SEMESTER IV

Sub code	Subjects	Scheme Of Instruction Hrs/Week			Scheme Of Examination					
		L	T	P	Th. Dur (Hrs)	Marks				
						Th.	S	P	O	Total
4.1	Applied Mathematics- IV	4	0	-	3	100	25	-	-	125
4.2	Signals and Systems	3	1	2	3	100	25	-	50	175
4.3	Electrical Technology	4	0	2	3	100	25	-	-	125
4.4	Electro magnetic Fields and Waves	3	1	-	3	100	25	-	-	125
4.5	Linear Integrated Circuits	4	0	2	3	100	25	50	-	175
4.6	Data structures using C ⁺⁺	4	0	2	3	100	25	-	-	125
	TOTAL	22	2	8	-	600	150	100	50	850

L – Lectures, T-Tutorials, P-Practicals.

Th. Dur. – Duration of Theory Paper

Th – Theory, S – Sessional, P– Practical, O – Oral.

**THIRD YEAR OF BACHELOR'S DEGREE COURSE IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
(REVISED COURSE-2007)
SCHEME OF INSTRUCTION AND EXAMINATION**

SEMESTER V

Sub code	Subjects	Scheme Of Instruction Hrs/Week			Scheme Of Examination					
		L	T	P	Th. Dur (Hrs)	Marks				
						Th.	S	P	O	Total
5.1	Probability Theory and Random Processes	4	0	-	3	100	25	-	-	125
5.2	Control System Engineering	4	0	2	3	100	25	-	-	125
5.3	Communication Engineering - I	4	0	2	3	100	25	-	50	175
5.4	Microprocessors	4	0	2	3	100	25	-	50	175
5.5	Digital Signal Processing	4	0	2	3	100	25	-	-	125
5.6	Transmission Lines and Waveguides	4	0	-	3	100	25	-	-	125
	TOTAL	24	0	8	-	600	150	-	100	850

L – Lectures, T-Tutorials, P-Practicals.

Th. Dur. – Duration of Theory Paper

Th – Theory, S – Sessional, P– Practical, O – Oral.

**THIRD YEAR OF BACHELOR'S DEGREE COURSE IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
(REVISED COURSE-2007)
SCHEME OF INSTRUCTION AND EXAMINATION**

SEMESTER VI

Sub code	Subjects	Scheme Of Instruction Hrs/Week			Scheme Of Examination					
		L	T	P	Th. Dur (Hrs)	Marks				
						Th.	S	P	O	Total
6.1	Communication Engineering -II	4	0	0	3	100	25	-	50	175
6.2	Peripheral Devices and Interfacing	4	0	2	3	100	25	-	-	125
6.3	Power Electronics	4	0	2	3	100	25	-	-	125
6.4	Antenna and Wave Propagation	4	0	0	3	100	25	-	-	125
6.5	Electronic Instrumentation	4	0	2	3	100	25	-	-	125
6.6	VLSI Technology and Design	4	0	2	3	100	25	-	50	175
	TOTAL	24	0	8	-	600	150	-	100	850

L – Lectures, T-Tutorials, P-Practicals.

Th. Dur. – Duration of Theory Paper

Th – Theory, S – Sessional, P– Practical, O – Oral.

**FOURTH YEAR OF BACHELOR'S DEGREE COURSE IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
(REVISED COURSE-2007)
SCHEME OF INSTRUCTION AND EXAMINATION**

SEMESTER VII

Sub code	Subjects	Scheme Of Instruction Hrs/Week			Scheme Of Examination					
		L	T	P	Th. Dur (Hrs)	Marks				
						Th.	S	P	O	Total
7.1	Data Communication	4	0	2	3	100	25	-	50	175
7.2	Microwave and Radar Engineering	4	0	2	3	100	25	-	50	175
7.3	Optical Fiber Communication	4	0	2	3	100	25	-	-	125
7.4	Elective - I	4	0	2	3	100	25	-	50	175
7.5	Elective-II	4	0	0	3	100	25	-	-	125
7.6	Project Seminar	0	0	4	-	-	25	-	50*	75
	TOTAL	20	0	12	-	500	150	-	200	850

L – Lectures, T-Tutorials, P-Practicals.

Th. Dur. – Duration of Theory Paper

Th – Theory, S – Sessional, P– Practical, O – Oral.

*Seminars & Orals

**FOURTH YEAR OF BACHELOR'S DEGREE COURSE IN
ELECTRONICS AND TELECOMMUNICATION ENGINEERING
(REVISED COURSE-2007)
SCHEME OF INSTRUCTION AND EXAMINATION**

SEMESTER VIII

Sub code	Subjects	Scheme Of Instruction Hrs/Week			Scheme Of Examination					
		L	T	P	Th. Dur (Hrs)	Marks				
						Th.	S	P	O	Total
8.1	Satellite & Television Engineering	4	0	2	3	100	25	-	50	175
8.2	Elective - III	4	0	2	3	100	25	-	50	175
8.3	Elective - IV	4	0	2	3	100	25	-	50	175
8.4	Wireless Communications	4	0	0	3	100	25	-	50	175
8.5	Project	0	0	10	-	-	50	-	100**	150
	TOTAL	16	0	16	-	400	150	-	300	850

L – Lectures, T-Tutorials, P-Practicals.

Th. Dur. – Duration of Theory Paper

Th – Theory, S – Sessional, P– Practical, O – Oral.

**Seminars, demonstrations & Oral

Elective	Subject Code	Subject Name
I	7.4.1	Embedded Systems
	7.4.2	Operating Systems
	7.4.3	Hardware Description Language
	7.4.4	Virtual Instrumentation
	7.4.5	Wavelets and Multirate Digital Signal Processing
	7.4.6	Electronic Circuits: Design, Simulation and Testing
	7.4.7	Introduction to Java and J2EE
	7.4.8	Optical Computing
	7.4.9	Process Control Instrumentation
II	7.5.1	Mobile Communication Systems
	7.5.2	Artificial Neural Network
	7.5.3	Secure Communications
	7.5.4	Nanoelectronics
	7.5.5	Optical Networking
	7.5.6	Adaptive Signal Processing
III	8.2.1	Consumer Electronics
	8.2.2	Speech Signal Processing
	8.2.3	Mobile Computing
	8.2.4	Introduction to Robotics
	8.2.5	ASIC Design and FPGA
	8.2.6	Microwave Networks and Applications
	8.2.7	Error Control Coding
IV	8.3.1	E-Commerce
	8.3.2	Bio-medical Electronics and Instrumentation
	8.3.3	Digital Image Processing
	8.3.4	Electromagnetic Interference/Electromagnetic Compatibility
	8.3.5	Ad-hoc Wireless Networks
	8.3.6	Global System for Mobile Communication
	8.3.7	Mobile Phone Programming