

SCHEME OF TEACHING AND EXAMINATION  
B.E. ELECTRONICS & COMMUNICATION ENGINEERING

**VII SEMESTER**

Sl. No	Subject Code	Title	Teaching Dept.	Teaching Hours /Week		Examination			
				Theory	Practical/ Drawing	Dura- tion	I.A. Marks	Theory/ Practical Marks	Total Marks
1	10EC71	Computer Communication Networks	EC	4	-	3	25	100	125
2	10EC72	Optical Fiber Communicatio	EC	4	-	3	25	100	125
3	10EC73	Power Electronics	EC	4	-	3	25	100	125
4	10EC74	Embedded System Design	EC	4	-	3	25	100	125
5	10EC75x	<b>Elective-II (Group B)</b>	EC	4	-	3	25	100	125
6	10EC76x	<b>Elective-III (Group C)</b>	EC	4	-	3	25	100	125
7	10ECL77	VLSI Lab	EC	-	3	3	25	50	75
8	10ECL78	Power Electronics Lab	EC	-	3	3	25	50	75
<b>TOTAL</b>				<b>24</b>	<b>06</b>	<b>24</b>	<b>200</b>	<b>700</b>	<b>900</b>

<b>Elective – II (Group B)</b>		<b>Elective – III (Group C)</b>	
10EC751	DSP Algorithms & Architecture	10EC761	Programming in C++
10EC752	Micro and Smart Systems Technology	10EC762	Real Time Systems
10EC753	Artificial Neural Network	10EC763	Image Processing
10EC754	CAD for VLSI	10EC764	Radio Frequency Integrated Circuits
10EC755	Applied Embedded System Design*	10EC765	Wavelet Transforms
10EC756	Speech Processing	10EC766	Modeling and Simulation of Data Networks

**NOTE: \* 06EC755 Applied Embedded System Design has a LAB component (syllabus is different and in the Theory Examination, questions from Lab experiments will also be there. )**

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				Theory	Practical/ Drawing	Duration	I.A. Marks	Theory/ Practical Marks	Total Marks
1	10EC81	Wireless Communication	EC	4	-	3	25	100	125
2	10EC82	Digital Switching Systems	EC	4	-	3	25	100	125
3	10EC83x	<b>Elective-IV (Group D)</b>	EC	4	-	3	25	100	125
4	10EC84x	<b>Elective-V (Group E)</b>	EC	4	-	3	25	100	125
5	10ECP85	Project Work	EC	-	6	3	100	100	200
6	10ECS86	Seminar	EC	-	3	-	50	-	50
<b>TOTAL</b>				<b>16</b>	<b>09</b>	<b>15</b>	<b>250</b>	<b>500</b>	<b>750</b>

<b>Elective – IV (Group D)</b>		<b>Elective – V (Group E)</b>	
10EC831	Distributed Systems	10EE841	Multimedia Communication
10EC832	Network Security	10EC842	Real Time Operating Systems
10EC833	Optical Networks	10EC843	GSM
10EC834	High Performance Computing Networks	10EC844	Ad-hoc Wireless Networks
10EC835	Internet Engineering	10EC845	Optical Computing