



**Rajiv Gandhi Technological University, Bhopal (MP)**  
**B.E. (EC) Electronics and Communication Engineering**  
**Revised Syllabus and Scheme of Examination Effective from July 2010**

**SEVENTH SEMESTER**

S. No	Course Category	Course Code (New)	Subject	Period Per Week				Distribution of Marks					
								Theory Exam	Practical Exam	Internal Assessment			Total
				MST	TW	Total	I+II+III						
				L	T	P	C	I	II			III	I+II+III
1.	DC-17	EC701	Optical Communication	3	1	2	6	100	50	20	30	50	200
2.	DC-18	EC702	Antenna and Wave Propagation	3	1	2	6	100	50	20	30	50	200
3.	DC-19	EC703	TV and Radar Engg.	3	1	2	6	100	50	20	30	50	200
4.	DCO(E)-I	Refer Table below	Elective-I	3	1	0	4	100	-	20	-	20	120
5.	DCO(E)-II	Refer Table below	Elective-II	3	1	0	4	100	-	20	-	20	120
6.	DC-20	EC-704	Major Project (Planning and Literature)	0	0	4	4	-	-	-	50	50	50
7.	DC-21	EC-705	Industrial Training (Four Weeks)*	0	0	0	4	-	50	-	30	30	80
8.	NECC-9	EC-706	Seminar / Group Discussion etc.	0	0	1	1	-	-	-	30	30	30
TOTAL				15	5	11	35	500	200	100	200	300	1000

\*Students will go for Industrial Training after VI semester in the summer vacations and will be assessed in VII semester.

<b>ELECTIVE-I</b>	
EC-7101	Wireless Communications
EC-7102	Digital Image Processing
EC-7103	Industrial Electronics

<b>ELECTIVE-II</b>	
EC-7201	Satellite Communication
EC7202	Neural Networks
EC7203	Random Signal Theory

Note: 1. Minimum strength of ten students is required to offer an Elective in the college in a particular subject.

**e-Resources-** video and web courses developed by National Programme on Technology Enhanced learning (NPTEL) (A joint venture by IITs and IISc and approved by the Ministry of Human Resources Development, Govt. of India) are available on <http://nptel.iitm.ac.in> and should be regularly used in the digital library/ library.