

RAJASTHAN TECHNICAL UNIVERSITY

**M.Tech. (Digital Communication)
Teaching & Examination Scheme (Full Time) w.e.f. 2008-09**

Semester : I

Course Code	Course	Hrs. / Week			Marks		
		L	T	P	IA*	Exam	Total
Compulsory Courses							
1MDC1	Signal Theory	3	1		25	100	125
1MDC2	Digital Communication System	3	1		25	100	125
1MDC3	Satellite Communication	3	1		25	100	125
Elective I (108 – 110)							
1MDC4.1	High Frequency Electronics	3	1		25	100	125
1MDC4.2	Optimization Techniques	3	1		25	100	125
1MDC4.3	Biomedical Electronics	3	1		25	100	125
1MDC5	Communication System Lab			3	60	40	100
TOTAL							600

Semester : II

Course Code	Course	Hrs. / Week			Marks		
		L	T	P	IA*	Exam	Total
Compulsory Courses							
2MDC1	Digital Signal Processing	3	1		25	100	125
2MDC2	Information Theory & Coding	3	1		25	100	125
2MDC3	Advanced Optical Communication	3	1		25	100	125
Elective II (211- 213)							
2MDC4.1	Detection & Estimation Theory	3	1		25	100	125
2MDC4.2	Adaptive Signal Processing	3	1		25	100	125
2MDC4.3	Antenna Theory & Techniques	3	1		25	100	125
2MDC5	Modeling & Simulation Lab			3	60	40	100
TOTAL							600

* I.A. – Internal Assessment

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Semester : III

Course Code	Course	Hrs. / Week			Marks		
		L	T	P	IA*	Exam	Total
	Compulsory Course						
3MDC1	Mobile Communication	3	1		25	100	125
	Elective III (314 – 316)						
3MDC2.1	Telecommunication Switching & Networks	3	1		25	100	125
3MDC2.2	Digital Image Processing	3	1		25	100	125
3MDC2.3	Micro-Electro-Mechanical-Systems	3	1		25	100	125
3MDC4	Dissertation (Stage-I)				100	-	100
3MDC5	Seminar			3	90	60	150
	TOTAL						500

Semester : IV

Course Code	Courses	Hrs. / Week			Marks		
		L	T	P	IA*	Exam	Total
4MDC1	Dissertation (Stage-II)				-	500	500
	TOTAL						500
	GRAND TOTAL						2200

* I.A. – Internal Assessment