

Rajasthan Technical University, Kota
Teaching & Scheme of Examination for B.Tech. (Information Technology)
Session 2009-10 (Main Examination)

Subject Code	Name of Subject	Exam Hrs.	L	T	P	M.M. Sessional/ Mid term	M.M. End Term	Total M.M.	Common to CS, IT
3IT1	Mathematics III	3	3	1	-	20	80	100	Common to CS, IT
3IT2	Electronic Devices & Circuits	3	3	-	-	20	80	100	Common to CS, IT
3IT3	Data Structures and Algorithms	3	3	-	-	20	80	100	Common to CS, IT
3IT4	Object Oriented Programming	3	3	-		20	80	100	Common to CS, IT
3IT5	Digital Electronics	3	3	-		20	80	100	Common to CS, IT
<u>Electives (Only One to be chosen by each student)</u>									
3IT6.1	Optical Communication	3	3			20	80	100	Common to CS, IT
3IT6.2	Fundamentals of Linux & Shell Programming								
3IT6.3	Management Information Systems								
3IT7	Programming in C++	4			3	60	40	100	Common to CS, IT
3IT8	Data Structures Lab	4			3	60	40	100	Common to CS, IT
3IT9	Analog Electronics Lab	4			3	60	40	100	Common to CS, IT
3IT10	Digital Electronics Lab	4			2	30	20	50	Common to CS, IT
3ITDC	Discipline & Extra Curricular Activities							50	
	TOTAL		18	1	11			1000	

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4IT1	Microprocessor and Interfaces	3	3	-		20	80	100	Common to CS, IT
4IT2	Principles of Programming Languages	3	3	-		20	80	100	Common to CS, IT
4IT3	Discrete Mathematical Structures	3	3	1		20	80	100	Common to CS, IT
4IT4	Statistics and Probability Theory	3	3	1		20	80	100	Common to CS, IT
4IT5	Software Engineering	3	3	-		20	80	100	Common to CS, IT
<u>Electives (Only One to be chosen by each student)</u>									
4IT6.1	Analog & Digital Communication	3	3			20	80	100	Common to CS, IT
4IT6.2	Linear Integrated Circuits								
4IT6.3	Logic & Functional Programming								
4IT7	Microprocessor Lab	4			2	30	20	50	Common to CS, IT
4IT8	Communication Lab	4	-	-	2	30	20	50	Common to CS, IT
4IT9	Advance Object Oriented Programming Lab	4	-	-	3	60	40	100	Common to CS, IT
4IT10	Computer Aided Software Engg. Lab	4			3	60	40	100	Common to CS, IT
4IT11	Humanities & Social Sciences	4	-	-	2	30	20	50	Common to CS, IT
4ITDC	Discipline & Extra Curricular Activities							50	
	TOTAL		18	2	12			1000	

Rajasthan Technical University, Kota
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w.e.f. session 2010-11

Subject Code	Sem	Name of Subject	Exam Hrs.	L	T	P	C/E	M.M. Sessional/ Mid term	M.M. End Term	Total M.M.	Common to CS, IT
5IT1	V	Computer Architecture	3	3	1		C	20	80	100	Common to CS, IT
5IT2	V	Digital Signal Processing	3	3	-		C	20	80	100	
5IT3	V	Telecommunication Fundamentals	3	3	-	-	C	20	80	100	Common to CS, IT
5IT4	V	Database Management Systems	3	3			C	20	80	100	Common to CS, IT
5IT5	V	Operating Systems	3	3	-		C	20	80	100	Common to CS, IT
5IT6.1	V	Advanced Data Structure	3	3	-		E	20	80	100	Common to CS, IT
5IT6.2	V	E-Commerece	3	3			E	20	80	100	Common to CS, IT
5IT6.3	V	Satellite & Microwave Communication	3	3			E	20	80	100	
5IT7	V	DataBase Lab	4			3		60	40	100	Common to CS, IT
5IT8	V	Advance Communication Lab.	4			2		45	30	75	
5IT9	V	Operating Systems Simulation Lab	4			3		60	40	100	Common to CS, IT
5IT10	V	Digital Hardware Design Lab	4			3		45	30	75	Common to CS, IT
5ITDC	V	Discipline & Extra Curricular Activities								50	

TOTAL

18 1 11

1000

(S.S. Agarwal)
Member

(C.P. Gupta)
Member
Secretary

(Prof. M.C. Govil)
Chairman

6IT1	VI	Computer Networks	3	3	-		C	20	80	100	Common to CS, IT
6IT2	VI	Design and Analysis of Algorithms	3	3			C	20	80	100	Common to CS, IT
6IT3	VI	Theory Of Computation	3	3	1		C	20	80	100	Common to CS, IT
6IT4	VI	Programming in Java	3	3			C	20	80	100	Common to CS, IT
6IT5	VI	Information Theory & Coding	3	3			C	20	80	100	
6IT6.1	VI	Advance Topics in Operating Systems	3	3			E	20	80	100	Common to CS, IT
6IT6.2	VI	Bio Informatics	3	3			E	20	80	100	
6IT6.3	VI	Human Computer Interface	3	3			E	20	80	100	Common to CS, IT
6IT7	VI	Java Programming Lab	4			3		60	40	100	Common to CS, IT
6IT8	VI	GUI Design Lab.	4			3		60	40	100	
6IT9	VI	Shell Programming Lab	4			2		30	20	50	Common to CS, IT
6IT10	VI	Design and Analysis of Algorithms Lab.	4			3		60	40	100	Common to CS, IT
6ITDC		Discipline & Extra Curricular Activities								50	

TOTAL

18 1 11

1000

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Member
Secretary

(Prof. M.C. Govil)
Chairman

Rajasthan Technical University, Kota
Teaching & Scheme of Examination for B.Tech. Information Technology
w.e.f. session 2011-12

Subject Code	Sem	Name of Subject	Exam Hrs.	L	T	P	C/E	M.M. Sessional /Midterm	M.M. End Term	Total M.M.	Common to CS, I
8IT1	VIII	Software Testing & Validation	3	3			C	20	80	100	
8IT2	VIII	Information System Security	3	3			C	20	80	100	Common to CS, IT
8IT3	VIII	Data Compression Techniques	3	3			C	20	80	100	
8IT4.1	VIII	Mobile Computing	3	3			E	20	80	100	
8IT4.2	VIII	Network Management	3	3			E	20	80	100	
8IT4.3	VIII	Digital Image Processing	3	3			E	20	80	100	Common to CS, IT
8IT5	VIII	Software Testing Lab.	4			3		45	30	75	
8IT6	VIII	Data Compression Lab.	4			3		45	30	75	
8IT7	VIII	Data Mining & Ware Housing Lab	4			2		30	20	50	
8IT8	VIII	Seminar on information Technology Acts	2			2		30	20	50	Common to CS, IT
8IT9	VIII	Project				2		120	80	200	Common to CS, IT
8IT10	VIII	Seminar								100	Common to CS, IT
8ITDC	VIII	Discipline and Extra Curricular Activities				2+2				50	
		TOTAL		12		14				1000	

NOTE: Only one of the three electives is to be chosen by each student from the list of electives in each semester.

LEGEN L = Lecture/Week : P= Practical Hrs./Week : T=Tutorials/Week : C= Compulsory Courses : E= Elective