



RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Teaching & Examination Scheme

II Year- III Semester : B.Tech. Information Technology

SN	Category	Course Code	Course Title	Hours			Marks			Cr
				L	T	P	IA	ETE	Total	
1.	BSC	3IT2-01	Advanced Engineering Mathematics	3	0	0	30	120	150	3
2.	HSMC	3IT1-02/ 3IT1-03	Technical Communication/ Managerial Economics and Financial Accounting	2	0	0	20	80	100	2
3.	ESC	3IT3-04	Digital Electronics	3	0	0	30	120	150	3
4.	PCC	3IT4-05	Data Structures and Algorithms	3	0	0	30	120	150	3
5.	PCC	3IT4-06	Object Oriented Programming	3	0	0	30	120	150	3
6.	PCC	3IT4-07	Software Engineering	3	0	0	30	120	150	3
7.	PCC	3IT4-21	Data Structures and Algorithms Lab	0	0	3	45	30	75	1.5
8.	PCC	3IT4-22	Object Oriented Programming Lab	0	0	3	45	30	75	1.5
9.	PCC	3IT4-23	Software Engineering Lab	0	0	3	45	30	75	1.5
10.	PCC	3IT4-24	Digital Electronics Lab	0	0	3	45	30	75	1.5
11.	Training Exam	3IT7-30							50	1
12.	SODE CA	3IT8-00							25	0.5
				Total					1225	24.5



RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Teaching & Examination Scheme

II Year- IV Semester : B.Tech. Information Technology

SN	Category	Course Code	Course Title	Hours			Marks			Cr
				L	T	P	IA	ETE	Total	
1.	BSC	4IT2-01	Discrete Mathematics Structure	3	0	0	30	120	150	3
2.	HSMC	4IT1-03/ 4IT1-02	Managerial Economics and Financial Accounting / Technical Communication	2	0	0	20	80	100	2
3.	ESC	4IT3-04	Principle of Communication	3	0	0	30	120	150	3
4.	PCC	4IT4-05	Database Management System	3	0	0	30	120	150	3
5.	PCC	4IT4-06	Theory of Computation	3	0	0	30	120	150	3
6.	PCC	4IT4-07	Data Communication and Computer Networks	3	0	0	30	120	150	3
7.	PCC	4IT4-21	Linux Shell Programming Lab	0	0	2	30	20	50	1
8.	PCC	4IT4-22	Database Management System Lab	0	0	3	45	30	75	1.5
9.	PCC	4IT4-23	Network Programming Lab	0	0	3	45	30	75	1.5
10.	PCC	4IT4-24	Java Lab	0	0	2	30	20	50	1
11.	PCC	4IT4-25	Web Technology Lab	0	0	2	30	20	50	1
12.	SODE CA	4IT8-00							25	0.5
				Total					1175	23.5

V	Information Technology	Teaching Hrs			Exm Hrs	Max. Marks			Comments
Course Code	Subject Name (Revised)	L	T	P		IA	TE	TOTAL	Common to
5IT1A	Computer Architecture	3			3	20	80	100	CS, IT
5IT2A	Digital Signal Processing	3	-		3	20	80	100	
5IT3A	Telecommunication Fundamentals	3	-	-	3	20	80	100	CS, IT
5IT4A	Database Management Systems	3			3	20	80	100	CS, IT
5IT5A	Operating Systems	3	-		3	20	80	100	CS, IT
5IT6.1A	Advanced Data Structure	3	-		3	20	80	100	CS, IT
5IT6.2A	E-Commerce								
5IT6.3A	Satellite & Microwave Communication								
5IT7A	DataBase Lab			3		60	40	100	CS, IT
5IT8A	Advance Communication Lab.	-	-	3		45	30	75	
5IT9A	Operating Systems Simulation Lab			3		60	40	100	CS, IT
5IT10A	Digital Hardware Design Lab			3		45	30	75	CS, IT
5ITDC	Discipline & Extra Curricular Activities							50	CS, IT
		18	0	12				1000	

VI	Information Technology	Teaching Hrs			Exm Hrs	Max. Marks			Comments
Course Code	Subject Name (Revised)	L	T	P		IA	TE	TOTAL	Common to
6IT1A	Computer Networks	3	-		3	20	80	100	CS, IT
6IT2A	Design and Analysis of Algorithms	3	-		3	20	80	100	CS, IT
6IT3A	Theory Of Computation	3			3	20	80	100	CS, IT
6IT4A	Programming in Java	3			3	20	80	100	
6IT5A	Information Theory & Coding	3	-		3	20	80	100	
6IT6.1A	Advance Topics in Operating Systems	3	-		3	20	80	100	CS, IT
6IT6.2A	Bio Informatics								
6IT6.3A	Human Computer Interface								CS, IT
6IT7A	Java Programming Lab			3		45	30	75	CS, IT
6IT8A	GUI Design Lab.			3		45	30	75	
6IT9A	UML Lab			2		30	20	50	
6IT10A	Design and Analysis of Algorithms Lab.			3		60	40	100	CS, IT
6IT11A	Humanities and Social Sciences			2		30	20	50	CS, IT
6ITDC	Discipline & Extra Curricular Activities							50	CS, IT
		18	0	13				1000	

VII	Information Technology	Teaching Hrs			Exm Hrs	Max. Marks			Comments
Course Code	Subject Name (Revised)	L	T	P		IA	TE	TOTAL	Common to
7IT1A	Software Project management	3	-		3	20	80	100	
7IT2A	Information System Security	3			3	20	80	100	CS, IT
7IT3A	Data Mining & Ware Housing	3			3	20	80	100	CS, IT
7IT4A	Internet Programming	3	-		3	20	80	100	
7IT5A	Computer Graphics & Multimedia Techniques	3			3	20	80	100	
7IT6.1A	Advance Database Management Systems	3	-		3	20	80	100	
7IT6.2A	Intelligent Systems								
7IT6.3A	Speech Processing								
7IT7A	Computer Graphics & Multimedia Lab.			2		30	20	50	
7IT8A	DMW Lab			3		60	40	100	
7IT9A	Internet Programming Lab.			2		30	20	50	
7ITPR	Project-I			2		50		50	CS, IT
7ITTR	Practical Training*			2			100	100	CS, IT
7ITDC	Discipline & Extra Curricular Activities							50	CS, IT
		18	0	11				1000	

VIII	Information Technology	Teaching Hrs			Exm Hrs	Max. Marks			Comments
Course Code	Subject Name (Revised)	L	T	P		IA	TE	TOTAL	Common to
8IT1A	Software Testing & Validation	3			3	20	80	100	
8IT2A	Digital Image Processing	3	-		3	20	80	100	CS, IT
8IT3A	Data Compression Techniques	3			3	20	80	100	
8IT4.1A	Mobile Computing	3	-		3	20	80	100	CS, IT
8IT4.2A	Information Retrieval								CS, IT
8IT4.3A	Robotics								
8IT5A	Software Testing Lab.			3		60	40	100	
8IT6A	Digital Image Processing lab			2		30	20	50	CS, IT
8IT7A	Advanced Web Programming			2		30	20	50	
8IT8A	Mobile Application Development Lab			2		30	20	50	
8ITPR	Project-II			2		120	80	200	CS, IT
8ITSM	Seminar			2		60	40	100	CS, IT
8ITDC	Discipline & Extra Curricular Activities							50	CS, IT
		12	0	13				1000	