

**RASHTRASANT TUKADOJI MAHARAJ NAGPUR
UNIVERSITY, NAGPUR
FOUR YEAR BACHELOR OF TECHNOLOGY (B. TECH.) DEGREE COURSE
SEMESTER: THIRD [C.B.C.S]
BRANCH: INFORMATION TECHNOLOGY**

BRANCH: INFORMATION TECHNOLOGY																
Sl. No.	Subject Code	Subject	WorkLoad				Credit				Marks					Min Passin g
			Lecture	Practical	Tutorial/ Activity	Total	L	P	T/A	Total	Theory		Practical		Total Marks	
											Internal	Univer sity	Inter nal	Univ		
1	BTIT301T	Applied Mathematics-III	3		1	4	3		1	4	30	70			100	45
2	BTIT302T	Programming Logic & Design using ‘C’	3			3	3			3	30	70			100	45
3	BTIT302P	Programming Logic & Design using ‘C’		2		2		1		1			25	25	50	25
4	BTIT303T	Digital Electronics and Fundamental of Microprocessor	3		1	4	3		1	4	30	70			100	45
5	BTIT303P	Digital Electronics and Fundamental of Microprocessor		2		2		1		1			25	25	50	25
	BTIT304T	Emerging Trends in Information Technology	3			3	3			3	30	70			100	45
	BTIT305T	System Programming	3			3	3			3	30	70			100	45
	BTIT306P	Software Lab -1		2		2		1		1			25	25	50	25
	BTIT307T	Universal Human Values	2			2	2			2	15	35			50	23
	BTIT308T	Environmental Science (Audit)	2			2	-	-	-	-						
		Total	19	6	2	27	17	3	2	22	165	385	75	75	700	

Date: _____
Dr. Dalish Malik
Ad. Chairman, STC

**RASHTRASANT TUKADOJI MAHARAJ NAGPUR
UNIVERSITY, NAGPUR
SCHEME OF EXAMINATION FOR**

FOUR YEAR BACHELOR OF TECHNOLOGY (B. TECH.) DEGREE COURSE

SEMESTER: FOURTH [C.B.C.S]

BRANCH: INFORMATION TECHNOLOGY

Sr. No.	Subject Code	Subject	WorkLoad				Credit				Marks					Min Passing
											Theory		Practical		Total Marks	
			Lecture	Practical	Tutorial/Activity	Total	L	P	T/A	Total	Internal	University	Internal	Univ.		
1	BTIT401T	Discrete Mathematics and Graph Theory	3		1	4	3		1	4	30	70			100	45
2	BTIT402T	Data Structure and Program Design	3			3	3			3	30	70			100	45
3	BTIT402P	Data Structure and Program Design		2		2		1		1			25	25	50	25
4	BTIT403T	Object Oriented Programming System	3			3	3			3	30	70			100	45
5	BTIT403P	Object Oriented Programming System		2		2		1		1			25	25	50	25
6	BTIT404T	Computer Architecture Organization	3			3	3			3	30	70			100	45
7	BTIT405T	Introduction to Computer Network	3			3	3			3	30	70			100	45
8	BTIT406T	Operating Systems	3			3	3			3	30	70			100	45
9	BTIT407P	Software Lab -2		2		2		1		1			25	25	50	25
10	BTIT408T	Consumer Affairs (Audit)	2			2										
11	BTIT409P	Internship		2		2		1		1			50		50	25
		Total	20	8	1	29	18	4	1	23	180	420	125	75	800	

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FOUR YEAR BACHELOR OF TECHNOLOGY (B. TECH.) DEGREE COURSE
SCHEME OF EXAMINATION FOR
SEMESTER: FIFTH [C.B.C.S] BRANCH: INFORMATION TECHNOLOGY

SCHEME OF EXAMINATION													
SEMESTER: FIFTH [C.B.C.S]								BRANCH: INFORMATION TECHNOLOGY					
Sr. No.	Subject Code	Subject	Workload				Credits	Marks				Total Marks	Min Marks
			Lecture	Practical	Tutorial/Activity	Total		Theory		Practical			
								Internal	University	Internal	University		
1	BTIT501T	Software Engineering & Project Management	3			3	3	30	70			100	45
2	BTIT501P	Software Engineering & Project Management		2		2	1			25	25	50	25
3	BTIT502T	Design and Analysis of Algorithms	2		1	3	3	30	70			100	45
4	BTIT503T	JAVA Programming	3			3	3	30	70			100	45
5	BTIT503P	JAVA Programming Lab		2		2	1			25	25	50	25
6	BTIT504T	Theory of Computation	2		1	3	3	30	70			100	45
7	BTIT505T	Elective- I	3			3	3	30	70			100	45
8	BTIT506P	Software Lab (Basics of AR & VR / Web Technology)		2		2	1			25	25	50	25
9	BTIT507T	Effective Technical Communication	2			2	2	15	35			50	23
10	BTIT508T	Yoga & Meditation (Audit)	2										
		Total	17	06	2	25	20	100	400	75	75	650	

Elective -I (BTIT505T)

1. Gaming Architecture & Programming (BTIT505T.1)
2. High Performance Computer Architecture (BTIT505T.2)

date

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UNIVERSITY, NAGPUR
SCHEME OF EXAMINATION FOR
FOUR YEAR BACHELOR OF TECHNOLOGY (B. TECH.) DEGREE COURSE
SEMESTER: SIXTH [C.B.C.S] BRANCH: INFORMATION TECHNOLOGY**

Sr. No.	Subject Code	Subject	Teaching Scheme					MARKS					
								Theory		Practical		Total Marks	Min Marks
			Lectur e	Prac ti cal	Tutorial / Activit y	Tot al	Credi ts	Interna l	Unive rsity	Inter nal	Uni v.		
1	BTIT601T	Data Base Management System	3			3	3	30	70			100	45
2	BTIT601P	Data Base Management System		2		2	1			25	25	50	25
4	BTIT602T	Artificial Intelligence and Machine Learning	3			3	3	30	70			100	45
5	BTIT602P	Artificial Intelligence and Machine Learning		2		2	1			25	25	50	25
6	BTIT603T	Elective – II	3			3	3	30	70			100	45
7	BTIT604T	Elective – III	3			3	3	30	70			100	45
8	BTIT605T	Open Elective- I	3			3	3	30	70			100	45
9	BTIT606P	Mini Project & Industrial Visit		6		6	3			25	25	50	25
10	BTIT607T	Economics of IT Industries	2			2	2	15	35			50	23
11	BTIT608T	Organizational Behavior	2									50	
		Total	19	10		28	22	120	480	75	75	750	Audit

date

Elective –II (BTIT603T)

1. Cluster & Grid Computing (BTIT603T.1)
2. Blockchain (BTIT603T.2)
3. Advances in Computer Networks (BTIT603T.3)

Elective –III (BTIT604T)

1. Cloud Computing (BTIT604T.1)
2. Human Computer Interface (BTIT604T.2)
3. Software Testing & Quality Assurance (BTIT604T.3)

Open Elective – I (BTIT605T)

1. Data Science (BTIT605T.1)
2. Computer Animation (BTIT605T.2)

date