

BATCHLOR OF SCIENCE (INFORMATION TECHNOLOGY)

Duration: 36 Months (3Years) Eligibility: 12th with (PCM)

COURSE STRUCTURE OF B.SC (IT) SEMESTER I													
Course Details				External Assessment		Internal Assessment				Credit Distribution			Allotted Credits
Course Code	Course Type	Course Title	Total Marks	Major		Minor		Sessional		L	T	P	Subject wise Distribution
				Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks				
Theory Group													
3MBFE101	Ability Enhancement	Fundamental of Entrepreneurship	50	25	08	10	04	15	6	2	-	-	2
3IBIT 101	Core Course	Fundamentals of Computers & Information Technology	100	50	17	20	08	30	12	4	-	-	4
3IBIT 103	Core Course	Problem solving methodologies & programming in C	100	50	17	20	08	30	12	4	-	-	4
3IBEC 101	Core Course	Basic Electronics - I	100	50	17	20	08	30	12	4	-	-	4
3IBMA 101	Core Course	Advanced Calculus and Matrices	100	50	17	20	08	30	12	4	-	-	4
Practical Group				Term End Practical Exam				Sessional					
3IBIT101	Practical	Fundamentals of Computers & Information Technology	50	25	08	-	-	25	10	-	-	2	2
3IBIT103	Practical	C Programming	50	25	08	-	-	25	10	-	-	2	2
Grand Total			550	-		-		-	-	-	-	-	22

Minimum Passing Marks are equivalent to Grade D

Major- Term End Theory Exam/ Practical Exam

Minor- Pre University Test

Sessional weightage – Attendance 50%, Three Class Tests/Assignments 50%

L- Lectures T- Tutorials P- Practical

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COURSE STRUCTURE OF B.SC (IT) SEMESTER II

Course Details				External Assessment		Internal Assessment				Credit Distribution			Allotted Credits
Course Code	Course Type	Course Title	Total Marks	Major		Minor		Sessional		L	T	P	Subject wise Distribution
				Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks				
Theory Group													
3HBHL101	Ability Enhancement	हिन्दी भाषा और संरचना	50	25	08	10	04	15	6	2	-	-	2
3IBIT 202	Core Course	Object Oriented Programming with c++	100	50	17	20	08	30	12	4	-	-	4
3IBIT201	Core Course	Data Base Management Systems	100	50	17	20	08	30	12	4	-	-	4
3IBMA201	Core Course	Discrete Structures	100	50	17	20	08	30	12	4	-	-	4
3IBEC201	Core Course	Basic Electronics & Instrumentation –II	100	50	17	20	08	30	12	4	-	-	4
Practical Group				Term End Practical Exam				Sessional					
3IBIT202	Practical	Programming with C++	50	25	08	-	-	25	10	-	-	2	2
3IBIT201	Practical	Data Base Management Systems	50	25	08	-	-	25	10	-	-	2	2
Skill Courses								Sessional					
3SCIT 201	Skill Enhancement	Skill Enhancement Elective Course I	50	-	-	-	-	50	20	1	-	1	2
Grand Total			600	-		-		-	-	19	-	5	24

Minimum Passing Marks are equivalent to Grade D

Major- Term End Theory Exam/ Practical Exam

Minor- Pre University Test

Sessional weightage – Attendance 50%, Three Class Tests/Assignments 50%

Skill Elective I – Any other course being offered in this semester as per the list given at the end of course structure.

L- Lectures T- Tutorials P- Practical

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COURSE STRUCTURE OF B.SC (IT) SEMESTER III

Course Details				External Assessment		Internal Assessment				Credit Distribution			Allotted Credits
Course Code	Course Type	Course Title	Total Marks	Major		Minor		Sessional		L	T	P	Subject wise Distribution
				Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks				
Theory Group													
3HBEL401	Ability Enhancement	English Language and Scientific Temper	50	25	08	10	04	15	6	2	-	-	2
3IBIT 301	Core Course	Data structure	100	50	17	20	08	30	12	4	-	-	4
3IBIT 303	Core Course	Web Technology	100	50	17	20	08	30	12	4	-	-	4
3IBIT 304	Core Course	Introduction to Information Technology	100	50	17	20	08	30	12	4	-	-	4
3IBMA 301	Core Course	Counting Principles, Probability and Statistics	100	50	17	20	08	30	12	4	-	-	4
Practical Group				Term End Practical Exam				Sessional					
3IBIT301	Practical	Data Structure	50	25	08	-	-	25	10	-	-	2	2
3IBIT303	Practical	Web Technology	50	25	08	-	-	25	10	-	-	2	2
Skill Courses								Sessional					
3SCIT 301	Skill Enhancement	Skill Enhancement Elective Course II	50	-	-	-	-	50	20	1	-	1	2
Grand Total			600	-		-		-	-	19	-	5	24

Minimum Passing Marks are equivalent to Grade D

Major- Term End Theory Exam/ Practical Exam

Minor- Pre University Test

Sessional weightage – Attendance 50%, Three Class Tests/Assignments 50%

Skill Elective II – Any other course being offered in this semester as per the list given at the end of course structure.

L- Lectures T- Tutorials P- Practical

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COURSE STRUCTURE OF B.SC (IT) SEMESTER IV

Course Details				External Assessment		Internal Assessment				Credit Distribution			Alotted Credits
Course Code	Course Type	Course Title	Total Marks	Major		Minor		Sessional		L	T	P	Subject wise Distribution
				Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks				
Theory Group													
3HBEL501	Ability Enhancement	Introduction to soft skill & Team Building	50	25	08	10	04	15	6	2	-	-	2
3IBIT401	Core Course	Computer Networks	100	50	17	20	08	30	12	4	-	-	4
3IBIT402	Core Course	Operating System Concepts	100	50	17	20	08	30	12	4	-	-	4
3IBIT403	Core Course	E-Commerce and Governance	100	50	17	20	08	30	12	4	-	-	4
3IBEC 401	Core Course	Data Communication	100	50	17	20	08	30	12	4	-	-	4
Practical Group				Term End Practical Exam				Sessional					
3IBIT401	Practical	Computer communication & networks	50	25	08	-	-	25	10	-	-	2	2
3IBIT402	Practical	Operating System Concepts	50	25	08	-	-	25	10	-	-	2	2
Grand Total			550	-		-		-	-	-	-	-	22

Minimum Passing Marks are equivalent to Grade D

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Minor- Pre University Test

Sessional weightage – Attendance 50%, Three Class Tests/Assignments 50%

L- Lectures T- Tutorials P- Practical

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COURSE STRUCTURE OF B.SC (IT) SEMESTER V													
Course Details				External Assessment		Internal Assessment				Credit Distribution			Allotted Credits
Course Code	Course Type	Course Title	Total Marks	Major		Minor		Sessional		L	T	P	Subject wise Distribution
				Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks				
Theory Group													
3HBHP401	Ability Enhancement	Human Values & Ethics	50	25	08	10	04	15	6	2	-	-	2
3IBIT501	Core Course	Professional Elective I	100	50	17	20	08	30	12	4	-	-	4
3IBIT502	Core Course	Professional Elective II	100	50	17	20	08	30	12	4	-	-	4
3IBIT503	Core Course	GUI Programming With Visual Basic.Net	100	50	17	20	08	30	12	4	-	-	4
3IBIT504	Core Course	Java Technology	100	50	17	20	08	30	12	4	-	-	4
Practical Group				Term End Practical Exam				Sessional					
3IBIT502	Practical	Vb.Net	50	25	08	-	-	25	10	-	-	2	2
3IBIT503	Practical	Java Technology	50	25	08	-	-	25	10	-	-	2	2
Skill Courses								Sessional					
3SCIT 501	Skill Enhancement	Skill Enhancement Elective Course III	50	-	-	-	-	50	20	1	-	1	2
Grand Total			600	-		-		-	-	19	-	5	24

Minimum Passing Marks are equivalent to Grade D

Major- Term End Theory Exam/ Practical Exam

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Professional Elective I-3IBIT501A Management Information System,3IBIT501B- Artificial Intelligence and Expert System

Professional Elective II-3IBIT502A Cyber Law & Forensic ,3IBITB 502B- Information Security

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Skill Elective III – Any other course being offered in this semester as per the list given at the end of course structure.

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COURSE STRUCTURE OF B.SC (IT) SEMESTER VI													
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Course Code	Course Type	Course Title	Total Marks	Major		Minor		Sessional		L	T	P	Subject wise Distribution
				Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks				
Theory Group													
3IBIT 601	Core Course	Data Mining & Warehousing	100	50	17	20	08	30	12	4	-	-	4
3IBIT602	Core Course	Embedded Systems	100	50	17	20	08	30	12	4	-	-	4
3IBIT 603	Core Course	Programming With Asp.Net	100	50	17	20	08	30	12	4	-	-	4
3IBIT604	Core Course	Compiler Design	100	50	17	20	08	30	12	4	-	-	4
Practical Group				Term End Practical Exam				Sessional					
3IBIT603	Practical	Computer Lab XI:Asp.Net	50	25	08	-	-	25	10	-	-	2	2
3IBIT605	Project/ Dissertation/ Internship & Viva Voce	Major Project	100	50	17	-	-	50	20	-	-	4	4
Grand Total			550	-		-		-	-	-	-	-	22

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SKILL ENHANCEMENT ELECTIVE COURSES

Non-Technical			
Elective No.	Department/ Faculty Name		
	Faculty of Information Technology		
I	SCIT 201	Data Entry Operation	2(1+0+1)
II	SCIT 301	Multimedia	2(1+0+1)
III	SCIT 501	Web Designing with HTML	2(1+0+1)
IV	SCMIT 201	Web Development	2(1+0+1)
V	SCMIT 301	LINUX	2(1+0+1)
	Faculty of Management		
I	SMGT 201	Briefing and Presentation Skills	2(1+0+1)
II	SMGT 301	Resolving Conflicts and Negotiation Skills	2(1+0+1)
III	SMGT 802	Entrepreneurship Development	2(1+0+1)
	Faculty of Commerce		
I	SCOM 201	Tally ERP 9	2(1+0+1)
II	SCOM 302	Multimedia	2(1+0+1)
III	SCOM 803	Data Analyst	2(1+0+1)
	Faculty of Humanities		
I	SHBA 301	Pursuing Happiness	2(1+0+1)
II	SHBA302	Communication Skill and Personality Development	2(1+0+1)
III	SHMA301	Tourism in M.P	2(1+0+1)
	Faculty of Science		
I	SSBI 301	Mushroom Cultivation	2(1+0+1)
II	SSPH 301	House Hold Wiring	2(1+0+1)
III	SSPH 301	Basic Instrumentation	2(1+0+1)
IV	SSPH 301	DTP Operator	2(1+0+1)
V	SSCH 301	Graphic Designing	2(1+0+1)
	Faculty of Education		
I	SCBE 403	Understanding of ICTC (Information Communication Technology)	2(1+0+1)
II	SCPE 201	Yoga Education	2(1+0+1)