

BATCHLOR OF COMPUTER APPLICATION

Duration: 36Months (3 Years) Eligibility: 12th Pass

COURSE STRUCTURE OF BCA 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	8	10	4	15	6	2	-	-	2
3IBCA101	Core Course	Fundamentals of Computers & Information Technology	100	50	17	20	8	30	12	4	-	-	4
3IBCA102	Core Course	Windows & MS Office(word, power point, Excel, Outlook Express)	100	50	17	20	8	30	12	4	-	-	4
3IBCA103	Core Course	Programming in C	100	50	17	20	8	30	12	4	-	-	4
3IBDM101	Core Course	Discrete Mathematics	100	50	17	20	8	30	12	4	-	-	4
Practical Group				Term End Practical Exam				Sessional					
3IBCA102	Practical	Windows & MS Office(word, power point, Excel, Outlook Express)	50	25	08	-	-	25	10	-	-	2	2
3IBCA103	Practical	Programming in C	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 BCA 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	8	10	4	15	6	2	-	-	2
3IBEC 201	Core Course	Digital Computer Organization	100	50	17	20	8	30	12	4	-	-	4
3IBCA201	Core Course	Object Oriented Programming with C++	100	50	17	20	8	30	12	4	-	-	4
3IBCA202	Core Course	Operating Systems	100	50	17	20	8	30	12	4	-	-	4
3IBCA203	Core Course	Internet programming (HTML, DHTML & JavaScript)	100	50	17	20	8	30	12	4	-	-	4
Practical Group				Term End Practical Exam				Sessional					
3IBCA201	Practical	Object Oriented Programming with C++	50	25	08	-	-	25	10	-	-	2	2
3IBCA203	Practical	Internet programming (HTML, DHTML & JavaScript)	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	-		-		-	-	-	-	-	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 BCA 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	8	10	4	15	6	2	-	-	2
3IBCA301	Core Course	Data Base Management System (SQL/MS Access)	100	50	17	20	8	30	12	4	-	-	4
3IBCA302	Core Course	Data Structure	100	50	17	20	8	30	12	4	-	-	4
3IBCA303	Core Course	Computer Communication & Networks	100	50	17	20	8	30	12	4	-	-	4
3IBCA304	Core Course	Programming with JAVA	100	50	17	20	8	30	12	4	-	-	4
Practical Group				Term End Practical Exam				Sessional					
3IBCA301	Practical	Data Base Management System (SQL/MS Access)	50	25	08	-	-	25	10	-	-	2	2
3IBCA304	Practical	Programming with JAVA	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	-		-		-	-	-	-	-	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%

L- Lectures T- Tutorials P- Practical

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Duration: 36 Months (3 Years) Eligibility: 12th Pass

COURSE STRUCTURE OF BCA SEMESTER IV													
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													
3HBEL501	Ability Enhancement	Introduction to soft skill & Team Building	50	25	8	10	4	15	6	2	-	-	2
3IBCA401	Core Course	Linux Operating System —Operations & Management	100	50	17	20	8	30	12	4	-	-	4
3IBCA402	Core Course	RDBMS with Oracle	100	50	17	20	8	30	12	4	-	-	4
3IBCA403	Core Course	Programming with VB.NET	100	50	17	20	8	30	12	4	-	-	4
3IBCA404	Core Course	Network & Web Security	100	50	17	20	8	30	12	4	-	-	4
Practical Group				Term End Practical Exam				Sessional					
3IBCA401	Practical	Linux Operating System —Operations & Management	50	25	08	-	-	25	10	-	-	2	2
3IBCA403	Practical	Programming with VB .NET	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

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 III – 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

Professional Elective I–

a) 3IBCA501A Web Programming with ASP.NET Using C#

b) 3IBCA501 B Computer Graphics

Professional Elective II-

a) 3IBCA502A Management Information System

b) 3IBCA502B Compiler Design

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COURSE STRUCTURE OF BCA SEMESTER VI													
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													
3IBCA601	Core Course	PHP, MySql	100	50	17	20	8	30	12	4	-	-	4
3IBCA602	Core Course	Information Technology Trends	100	50	17	20	8	30	12	4	-	-	4
3IBCA603	Core Course	Embedded Systems	100	50	17	20	8	30	12	4	-	-	4
3IBCA604	Core Course	Software Engineering	100	50	17	20	8	30	12	4	-	-	4
Practical Group				Term End Practical Exam				Sessional					
3IBCA601	Practical	PHP, MYSQL	50	25	08	-	-	25	10	-	-	2	2
3IBCA605	Practical	Project Development & Implementation	100	50	17	-	-	50	20	-	-	4	4
Grand Total			550	-		-		-	-	-	-	-	22

Minimum Passing Marks are equivalent to Grade D

L- Lectures T- Tutorials P- Practical

Major- Term End Theory Exam / Practical Exam

Minor- Pre University Test

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

Compulsory Project/Dessertation with choice in any Disciplinary specific elective. Compulsory one paper presentation certificate in related dicipline.

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)