

BCA Course Matrix

I Semester BCA							
Part	Paper	Title	Hours	Marks			Credits
				IA	Exam	Total	
Part-1	LK/S/H B1	Language(Kannada/Sanskrit/Hindi)	4	30	70	100	2
	LE B1	Language English-I	4	30	70	100	2
Part-2	1BS-1T	Mathematical Foundation for Comp. Apns.	4	30	70	100	4
	1BM-1T	Fundamentals of Accounting	4	30	70	100	4
	1BC-3T	Programming in C	4	30	70	100	4
	1BC-4T	Computer Organization and Architecture	4	30	70	100	4
	1BC-5P	C Programming Lab	3	15	35	50	1
	1BC-6P	Computer Application Lab	3	15	35	50	1
Total Marks & Credits			34	240	560	800	25

II Semester BCA							
Part	Paper	Title	Hours	Marks			Credits
				IA	Exam	Total	
Part-1	LK/S/H B2	Language(Kannada/Sanskrit/Hindi)	4	30	70	100	2
	LE B2	Language English-I	4	30	70	100	2
Part-2	2BS-1T	Numerical and Statistical Methods	4	30	70	100	4
	2BC-2T	Data Structures Using C	4	30	70	100	4
	2BC-3T	Object Oriented Programming Using C++	4	30	70	100	4
	2BC-4T	Operating System	4	30	70	100	4
	2BC-5P	Data Structure Lab Using C	3	15	35	50	1
	2BC-6P	C++ Lab	3	15	35	50	1
	Part-3	MC1	Indian Constitution & Human Right	2	15	35	50
Total Hours ,Marks & Credits			34	240	560	800	25

III Semester BCA							
Part	Paper	Title	Hours	Marks			Credits
				IA	Exam	Total	
Part-1	LK/S/H B3	Language(Kannada/Sanskrit/Hindi)	4	30	70	100	2
	LE B3	Language English-I	4	30	70	100	2
Part-2	3BC-1T	Computer Graphics	4	30	70	100	4
	3BC-2T	Unix Operating System	4	30	70	100	4
	3BC-3T	Database Management Systems	4	30	70	100	4
	3BC-4T	VB.Net Programming	4	30	70	100	4
	3BC-5P	Unix Lab	3	15	35	50	1
	3BC-6P	VB.Net and SQL Lab	3	15	35	50	1
	3BC-7P	Computer Graphics Lab	3	15	35	50	1
Part-3	MC2	Human Resource Management	2	15	35	50	2
	OE	Open to the students of Other Disciplines	2	15	35	50	1
Total Hours ,Marks & Credits			35	270	630	900	28

IV Semester BCA							
Part	Paper	Title	Hours	Marks			Credits
				IA	Exam	Total	
Part-1	LK/S/H B4	Language(Kannada/Sanskrit/Hindi)	4	30	70	100	2
	LE B4	Language English-I	4	30	70	100	2
Part-2	4BC-1T	Design and Analysis of Algorithms	4	30	70	100	4
	4BC-2T	Python	4	30	70	100	4
	4BC-3T	Software Engineering	4	30	70	100	4
	4BC-4T	Core Java	4	30	70	100	4
	4BC-5P	Python Lab	3	15	35	50	1
	4BC-6P	Core Java Lab	3	15	35	50	1
	4BC-7P	Mini Project	3	15	35	50	1
Part-3	MC3	Value Education	2	15	35	50	2
	SD	Skill Development	2	15	35	50	1
Total Hours ,Marks & Credits			38	270	630	900	28

V Semester BCA

Part	Paper	Title	Hours	Marks			Credits
				IA	Exam	Total	
Part-2	5BC-1T	Internet Technologies	4	30	70	100	4
	5BC-2T	Artificial Intelligence	4	30	70	100	4
	5BC-3T	Computer Networks	4	30	70	100	4
	5BC-4T	Web Application Development	4	30	70	100	4
	5BC-5T	Cloud Computing	4	30	70	100	4
	5BC-6P	Internet Technologies Lab	3	15	35	50	1
	5BC-7P	Web Application Development Lab	3	15	35	50	1
	5BC-8P	Simulation Project Lab	3	15	35	50	1
Part-3	MC4	Communicative English	2	15	35	50	1
Total Hours ,Marks & Credits			33	225	525	750	26

VI Semester BCA

Part	Paper	Title	Hours	Marks			Credits
				IA	Exam	Total	
Part-2	6BC-1T	TCP/IP	4	30	70	100	4
	6BC-2T	Network Security	4	30	70	100	4
	6BC-3T	Mobile Computing and Wireless Technologies	4	30	70	100	4
	6BC-4T	Object Oriented Analysis and Design	4	30	70	100	4
	6BC-5T	Business Analytics	4	30	70	100	4
	6BC-6P	Business Analytics Lab	3	15	35	50	1
	6BC-7P	Project Work	6	30	70	100	2
Part-3	MC5	Environmental Science	2	15	35	50	1
Total Hours ,Marks & Credits			33	225	525	750	26