

BCA FRAME WORK 2016-2019

S.No	Sem.	Core/ Allied	Title of the paper	Lecture Hours		Max. Marks			Credits
				Th	Pr	In	Ex	Tot.	
1	I	Paper-I	Programming in C	4		25	75	100	4
2		Practical-I	Programming in C Lab		4	20	30	50	2
3		Practical-II	Multimedia Lab		4	20	30	50	2
4		Allied-I	Allied Maths-I	6		25	75	100	5
		Non-Major elective	Fundamentals of Programming Language	2		40	60	100	2
		Softskill-I	Essentials of Language and communication skills	2		40	60	100	3
Total				10	8			500	18
4	II	Paper-II	Internet Programming	4		25	75	100	3
5		Practical-III	Internet Programming Lab		4	20	30	50	2
6		Practical-IV	Unix Lab		4	20	30	50	2
7		Allied-II	Allied Maths-II	6		25	75	100	5
		Non-Major elective	Basics in Object Oriented Concepts	2		40	60	100	2
		Softskill-II	Essentials of spoken and presentation skills	2		40	60	100	3
Total				10	8			500	17
8	III	Paper-III	Object oriented programming with C++	5		25	75	100	3

9		Paper-IV	Data Structures and algorithms	5		25	75	100	4
10		Paper-V	Object Oriented Analysis and Design	6		25	75	100	4
11		Practical-V	C++ Lab		4	20	30	50	2
12		Practical-VI	Data structures Lab		4	20	30	50	2
13		Allied-III	Financial Accounting	6		25	75	100	5
			Environmental Studies	1		25	75	100	2
Total				22	8			600	22
14	IV	Paper-VI	Computer Architecture	5		25	75	100	4
15		Paper-VII	Database Management Systems	5		25	75	100	4
16		Paper VIII	Visual Programming	4		25	75	100	4
17		Practical-VII	VB and SQL Lab		4	20	30	50	2
18		Practical-VIII	Tally and SPSS Lab		4	20	30	50	2
19		Allied-IV	Cost and Management Accounting	6		25	75	100	5
		Skill Based Elective	Any one from the list	2		40	60	100	3
Total				22	8			600	24
20	V	Paper-IX	Programming in Java	5		25	75	100	3
21		Paper-X	Programming in PHP and MYSQL	5		25	75	100	3
22		Paper-XI	Operating systems	6		25	75	100	4
23		Practical-IX	Java Programming Lab		4	20	30	50	2
24		Practical-X	PHP and MYSQL Lab		4	20	30	50	2
25		Elective-I	Choose one from List of Electives	6		25	75	100	5

		YVAE	Value Education(Yoga)			40	60	100	3
Total				22	8			600	22
26	VI	Paper-XII	Data Communication and Networking	5		25	75	100	4
27		Paper-XIII	Web Technology	4		25	75	100	4
28		Practical-XI	Web Technology Lab		4	20	30	50	2
29		Practical-XII	Mini Project		5	20	30	50	2
30		Elective-II	Choose one from List of Electives	5		25	75	100	5
31		Elective-III	Choose one from List of Electives	5		25	75	100	5
		Skill Based Elective	Skill based paper	2		40	60	100	2
Total				21	9			600	24
Total Core and Allied Courses				2600					107
Part –I (Language)				200					6
Part –II (English)				200					6
Environmental Science				100					2
Yoga				100					2
SoftSkill				400					12
Non-Major Elective				200					4
GRAND TOTAL				3800					139

List of Electives :

1. Software Engineering and Testing
2. Resource Management Techniques
3. E-Commerce
4. Cloud Computing
5. Security in Information Technology
6. Computer Graphics.