(Three Years Six Semesters Degree Programme) (Choice Based Credit System)

Scheme of Teaching, Learning, Examination and Evaluation

APPENDIX - A I (B.C.A. Part-I) (Semester-I)

						Te	eaching & I	Learning Scl	heme				Exa	minati	ion &	Evaluatio	n Schem	ıe
Sr	Subjec	Subject	T		ng P Per veek	eriod		Credit s		Duratio nof			aximum	Marks	3			nimum sing
N o	t	Code	L	Т	P	Total Marks	Theory / Tutoria l	Practical	Total	Exams in Hrs	Theory + M.C.Q Ext.	Skill Enhancemen t Module (SEM)Int.	SEM Credit		Ext.	Total Mark s	Marks	Grade
1	Communication Skill	1BCAE1	3		-	3	3	-	3	2	40		1	-	-	50	20	P
2	Communication Skill in English (AEC)	1BCAE2		1	-	1		1	1			10	1	25	-	25	10	Р
3	DSC-1 (T) Fundamentals of Computers	1BCA1	5			5	5	-	5	3	80	20	1	-	-	100	40	P
4	DSC-2(T)Structured Programming Paradigms	1BCA2	5			5	5	-	5	3	80	20	1	-	-	100	40	P
5	DSC-3(T)Data Structure	1BCA3	5		-	5	5	-	5	3	80	20	1	-	1	100	40	P
6	DSC-4(T)Fundamentals of Electronics in Computer	1BCA4	5			5	5	-	5	3	80	20	1	-	-	100	40	P
7	DSC-1(P) Computer Hardware Software Troubleshooting	1BCALAB1	-	-	4	4	-	2	2	4	-	-		-	50	50	25	Р
8	DSC-2(P)Data Structure	1BCALAB2	-	-	4	4	-	2	2	4	-	=		-	50	50	25	P
9	DSC-3 (P)Fundamentals of Computer Electronics	1BCALAB3	-	-	4	4	-	2	2	4	-	-		-	50	50	25	Р
10	DSC- 1 (P)Generic Open Elective I(GOEC) 1-Computer Fundamentals 2- IT and BDP	1BCAG	2	-	-	2	2	-	2	2	Colle	ege Level Exam.				50	20	p.
11	Induction Programme*	BCAIP					hrs (beginni er classes)	ing of 1 1*	1									P
	Total		25	1	12	38	25	7	33				6			675		
	BCA-Sem-1 Total Cro	edit	39		,	Total M	arks	675										

L: Lecture, T: Tutorial, P: Practical

Note: Internship /Field Work / Work Experience will be conducted after I semester till Vth semester in vacations for minimum 150 hrs. It's credits and grades will be reflected in final semester IV credit grade report.

(Three Years Six Semesters Degree Programme) (Choice Based Credit System)

Scheme of Teaching, Learning, Examination and Evaluation

APPENDIX - A I (B.C.A. Part-I) (Semester-II)

					Tea	aching &	& Learnin	g Scheme				Exan	nination	& Eva	aluati	on Schen	1e	
Sr	Subjec	Subject	Tea		ıg Pe Perw			Credit s		Duratio nof			Maxim	um Ma	arks		Min m Pass	imu sing
No	t	Code	L	Т	P	Total	Theory			Exams in Hrs	Theory	Skill	SEM	Prac	ctical	Total		
			L	1	1	Marks	/ Tutoria l	Practica I	Total	III THS	+ M.C.Q Ext.	Enhancemen t Module (SEM)Int.	Credi t	Int.	Ext.	Mark	Mark s	Grade
1	Communication Skill	2BCAE1	3		-	3	3	-	3	2	40		1	-	-	50	20	P
2	Communication Skill in English (AEC)	2BCAE2		1	1	1		1	1			10	1	25	-	25	10	Р
3	DSC- 1(T) Computer System and Interface	2BCA1	5			5	5	-	5	3	80	20	1	-	1	100	40	P
4	DSC- 2 (T) Data Base Managemant System	2BCA2	5			5	5	-	5	3	80	20	1	-	1	100	40	P
5	DSC- 3 (T) Object Oriented Programming	2BCA3	5		1	5	5	-	5	3	80	20	1	-	1	100	40	P
6	DSC-4 (T) Fundaentals of Computational Mathematics	2BCA4	5			5	5	-	5	3	80	20	1	-	-	100	40	P
7	DSC- 1 (P) Computer Interfacing	2BCALAB1	ı	-	4	4	-	2	2	4	-	-		1	50	50	25	Р
8	DSC- 2 (P) DBMS	2BCALAB2	-	-	4	4	-	2	2	4	-	-		-	50	50	25	P
9	DSC- 3 (P) CPP	2BCALAB3	-	-	4	4	-	2	2	4	-	-		-	50	50	25	P
10	Generic Open Elective I(GOEC) 1-Fund. Of C Programming 2-e-Commerce	2BCAG	2	-	1	2	2	-	2	2	College L	evel Exam.				50	20	p.
	Total		25	1	12	38	25	7	32				6			675		
	BCA-Sem-2 Total C	redit	38		7	Total Ma	arks	675										

L: Lecture, T: Tutorial, P: Practical

Note: Internship /Field Work / Work Experience will be conducted after I semester till Vth semester in vacations for minimum 150 hrs. It's credits and grades will be reflected in final semester IV credit grade report.

(Three Years Six Semesters Degree Programme) (Choice Based Credit System)

Scheme of Teaching, Learning, Examination and Evaluation

APPENDIX - A I (B.C.A. Part-I) (Semester-III)

_					T	eaching	& Learnin	g Scheme		_			Exai	mination	& Eva	luation Sc	heme	
Sr	Subjec	Subject	Te		ng Pe Perw			Credit s		Duration ofExams			Maximur Marks				Min m Pas	imu
No	t	Code	L	Т	P	Total Marks	Theory / Tutoria	Practica l	Total	in Hrs.	Theory + M.C.Q Ext.	Skill Enhancemen t Module (SEM)Int.	SEM Credit	Pract	Ext.	Total Mark s	Marks	Grade
3	DSC-1 (T) Operating System	3BCA1	5			5	5	-	5	3	80	20	1	-	-	100	40	P
4	DSC- 2 (T) Core Java Programming	3BCA2	5			5	5	-	5	3	80	20	1	-	-	100	40	P
5	DSC- 3 (T) Fundamentals of Open Source Software	3BCA3	5		-	5	5	-	5	3	80	20	1	-	-	100	40	P
6	DSC-4 (T)Pythan Programmin	3BCA4	5			5	5	-	5	3	80	20	1	-	-	100	40	P
7	DSC- 1 (P) Operating System	3BCALAB1	-	-	4	4	-	2	2	4	-	-		-	50	50	25	P
8	DSC- 2 (P) Java Programming	3BCALAB2	-	-	4	4	-	2	2	4	-	1		-	50	50	25	P
9	DSC- 3 (P) Python Programming	3BCALAB3	ı	-	4	4	1	2	2	4	-	1		ı	50	50	25	P
10	Environmental Studies (AEC)	3BCAENV	2	-	-	2	2	-	2	2								
	Total		22	0	12	34	22	6	28				4			550		
	BCA-Sem-3 Total Ci	redit	32		-	Total M	arks	550									-	

L: Lecture, T: Tutorial, P: Practical

Note: Internship /Field Work / Work Experience will be conducted after I semester till Vth semester in vacations for minimum 150 hrs. It's credits and grades will be reflected in final semester IV credit grade report.

(Three Years Six Semesters Degree Programme) (Choice Based Credit System)

Scheme of Teaching, Learning, Examination and Evaluation

APPENDIX - A I (B.C.A. Part-I) (Semester-IV)

					Te	eaching o	& Learning	g Scheme					Exa	minati	on & I	Evaluatio	n Schem	e
Sr	a		Tea	chin; P	g Per erwe			Credit s		Duration		M	aximum]	Marks			Min m Pas	imu ssing
No	Subjec t	Subject Code				Total				of Exams in Hrs	Theory	Skill		Prac	ctical			
			L	Т	P	Marks	Theory / Tutoria l	Practical	Total		+ M.C.Q Ext.	Enhancemen t Module (SEM)Int.	SEM Credit	Int.	Ext.	Total Mark s	Marks	Grade
3	DSC- 1 (T) Data Communication Network	4BCA1	5		1	5	5	-	5	3	80	20	1	-	-	100	40	Р
4	DSC- 2 (T) Web Technologies	4BCA2	5			5	5	-	5	3	80	20	1	-	-	100	40	P
5	DSC- 3 (T) Adv Java Programming	4BCA3	5		1	5	5	-	5	3	80	20	1	-	-	100	40	P
6	DSC-4 (T) Fundamentals of Data Science	4BCA4	5		-	5	5	-	5	3	80	20	1	-	-	100	40	P
7	DSC- 1 (P) Web Technologies	4BCALAB1	-	-	4	4	-	2	2	4	-	-		-	50	50	25	P
8	DSC- 2 (P) Adv Java Programming	4BCALAB2	-	1	4	4	ı	2	2	4	-	1		ı	50	50	25	P
9	DSC- 3 (P) Data Science using Python	4BCALAB3	-	-	4	4	1	2	2	4	ı	1		ı	50	50	25	P
10	Environmental Studies (AEC)	4BCAENV	2	ı	-	2	1	-	1	3	70	30	1	-	-	100	40	P
	Total		22	0	12	34	21	6	27				5			650		
	BCA-Sem-4 Total C	redit	32		,	Total M	arks	650							<u> </u>		-	

L: Lecture, T: Tutorial, P: Practical

Note: Internship /Field Work / Work Experience will be conducted after I semester till Vth semester in vacations for minimum 150 hrs. It's credits and grades will be reflected in final semester IV credit grade report.

- OEC (Optional) can be studied during semester I to VI, Its credits and grades will be reflected in final semester VI credit grade report

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Scheme of Teaching, Learning, Examination and Evaluation

APPENDIX - A I (<u>B.C.A. Part-I</u>) (Semester-I)

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Sr	Subjec	Subject	T		ing P Per veek	Te eriod	eaching & I	Credit	heme	Duratio nof		M	Exa aximum			Evaluatio		imum
N o	t	Code	L	Т	Р	Total Marks	Theory	Practical	Total	Exams in Hrs	Theory +	Skill Enhancemen t Module	SEM Credit		ctical	Total Mark	Marks	Grade
						iviaiks	Tutoria l				M.C.Q Ext.	(SEM)Int.	Creun	Int.	Ext.	s		
1	Communication Skill	1BCAE1	3		-	3	3	-	3	2	40		1	-	-	50	20	P
2	Communication Skill in English (AEC)	1BCAE2		1	-	1		1	1			10	1	25	-	25	10	P
3	DSC-1 (T) Fundamentals of Computers	1BCA1	5			5	5	-	5	3	80	20	1	-	-	100	40	P
4	DSC-2(T)Structured Programming Paradigms	1BCA2	5			5	5	-	5	3	80	20	1	-	-	100	40	P
5	DSC-3(T)Data Structure	1BCA3	5		-	5	5	-	5	3	80	20	1	-	-	100	40	P
6	DSC-4(T)Fundamentals of Electronics in Computer	1BCA4	5			5	5	-	5	3	80	20	1	-	-	100	40	P
7	DSC-1(P) Computer Hardware Software Troubleshooting	1BCALAB1	-	-	4	4	-	2	2	4	-	-		-	50	50	25	P
8	DSC-2(P)Data Structure	1BCALAB2	-	-	4	4	-	2	2	4	-	-		-	50	50	25	P
9	DSC-3 (P)Fundamentals of Computer Electronics	1BCALAB3	-	-	4	4	-	2	2	4	-	-		-	50	50	25	P
10	DSC-1 (P)Generic Open Elective I(GOEC) 1-Computer Fundamentals 2- IT and BDP	1BCAG	2	-	-	2	2	-	2	2	Colle	ege Level Exam.				50	20	p.
11	Induction Programme*	BCAIP					hrs (beginni er classes)	ing of 1 1*	1									P
	Total		25	1	12	38	25	7	33				6			675		

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Note: Internship /Field Work / Work Experience will be conducted after I semester till Vth semester in vacations for minimum 150 hrs. It's credits and grades will be reflected in final semester IV credit grade report.

Scheme of Teaching, Learning, Examination and Evaluation

APPENDIX - A I (B.C.A. Part-I) (Semester-II)

	Scheme of Teach		, ====									III ENDIA - A	· (zien				,	
					Te	aching &	& Learning	g Scheme				Exan	nination	& Eva	aluati	on Schen	1e	
Sr	Subjec	Subject	Tea		ıg Pe Perw			Credit s		Duratio nof			Maxim	um Ma	arks		Min m Pass	imu sing
No	t	Code	L	Т	P	Total	Theory			Exams in Hrs	Theory	Skill	SEM	Prac	ctical	Total		
			L	1	Г	Marks	/ Tutoria l	Practica I	Total	III FIIS	+ M.C.Q Ext.	Enhancemen t Module (SEM)Int.	Credi t	Int.	Ext.	Mark	Mark s	Grade
1	Communication Skill	2BCAE1	3		-	3	3	-	3	2	40		1	-	-	50	20	P
2	Communication Skill in English (AEC)	2BCAE2		1	-	1		1	1			10	1	25	-	25	10	P
3	DSC- 1(T) Computer System and Interface	2BCA1	5			5	5	-	5	3	80	20	1	-	ı	100	40	P
4	DSC- 2 (T) Data Base Managemant System	2BCA2	5			5	5	-	5	3	80	20	1	-	-	100	40	P
5	DSC- 3 (T) Object Oriented Programming	2BCA3	5		-	5	5	-	5	3	80	20	1	-	-	100	40	P
6	DSC-4 (T) Fundaentals of Computational Mathematics	2BCA4	5			5	5	-	5	3	80	20	1	-	-	100	40	P
7	DSC- 1 (P) Computer Interfacing	2BCALAB1	-	-	4	4	-	2	2	4	-	-		-	50	50	25	P
8	DSC- 2 (P) DBMS	2BCALAB2	-	1	4	4	-	2	2	4	-	-		-	50	50	25	P
9	DSC- 3 (P) CPP	2BCALAB3	-	-	4	4	-	2	2	4	-	-		=	50	50	25	P
10	Generic Open Elective I(GOEC) 1-Fund. Of C Programming 2-e-Commerce	2BCAG	2	-	1	2	2	-	2	2	College L	evel Exam.				50	20	p.
	Total		25	1	12	38	25	7	32				6			675		
	BCA-Sem-2 Total C	redit	38		7	Total Ma	arks	675										

Note: Internship /Field Work / Work Experience will be conducted after I semester till Vth semester in vacations for minimum 150 hrs. It's credits and grades will be reflected in final semester IV credit grade report.

Examinations leading to the Degree of Bachelor of Science (Three Years Six Semesters Degree Programme) (Choice Based Credit System) Scheme of Teaching, Learning, Examination and Evaluation APPENDIX - A I (B.C.A. Part-I) (Semester-III)

					T	eaching	& Learning	g Scheme					Exa	mination	& Eva	aluation Sc	heme	
Sr	Subjec	Subject	Te		ng Pe Perw			Credit s		Duration ofExams			Maximu Marks				Mini m Pas	imu ssing
No	ť	Code				Total				in Hrs.	Theory	Skill		Pract	ical			
			L	T	P	Marks	Theory / Tutoria l	Practica I	Total		+ M.C.Q Ext.	Enhancemen t Module (SEM)Int.	SEM Credit	Int.	Ext.	Total Mark s	Marks	Grade
3	DSC- 1 (T) Operating System	3BCA1	5			5	5	-	5	3	80	20	1	-	-	100	40	P
4	DSC- 2 (T) Core Java Programming	3BCA2	5			5	5	-	5	3	80	20	1	1	-	100	40	P
5	DSC- 3 (T) Fundamentals of Open Source Software	3BCA3	5		-	5	5	-	5	3	80	20	1	-	-	100	40	P
6	DSC-4 (T)Python Programming	3BCA4	5			5	5	-	5	3	80	20	1	-	-	100	40	P
7	DSC- 1 (P) Operating System	3BCALAB1	-	-	4	4	ı	2	2	4	-	-		-	50	50	25	P
8	DSC- 2 (P) Java Programming	3BCALAB2	-	ı	4	4	ı	2	2	4	-	-		1	50	50	25	P
9	DSC- 3 (P) Python Programming	3BCALAB3	-	-	4	4	-	2	2	4	-	-		-	50	50	25	Р
10	Environmental Studies (AEC)	3BCAENV	2	-	-	2	2	-	2	2								
	Total		22	0	12	34	22	6	28				4			550		
	BCA-Sem-3 Total Cı	redit	32		ı	Total M	arks	550										

Note: Internship /Field Work / Work Experience will be conducted after I semester till Vth semester in vacations for minimum 150 hrs. It's credits and grades will be reflected in final semester IV credit grade report.

(Three Years Six Semesters Degree Programme) (Choice Based Credit System)

Scheme of Teaching, Learning, Examination and Evaluation

APPENDIX - A I (B.C.A. Part-I) (Semester-IV)

		, 			æ	1.	O.T. •	6.1		I		<u></u>	ъ		0.1		C 1	
			Т.	-1.*			& Learning	g Scheme				3.4				Evaluatio		
Sr			1 ea	ichin _i P	g Per erwe			Credit s		Duration		Mi	aximum 1	Marks			Mini m Pas	ssing
No	Subjec t	Subject Code				Total				of Exams in Hrs	Theory	Skill		Prac	tical			
			L	Τ	P	Marks	Theory / Tutoria l	Practical	Total		+ M.C.Q Ext.	Enhancemen t Module (SEM)Int.	SEM Credit	Int.	Ext.	Total Mark s	Marks	Grade
3	DSC- 1 (T) Data Communication Network	4BCA1	5			5	5	-	5	3	80	20	1	-	-	100	40	P
4	DSC- 2 (T) Web Technologies	4BCA2	5			5	5	-	5	3	80	20	1	-	-	100	40	P
5	DSC- 3 (T) Adv Java Programming	4BCA3	5		-	5	5	-	5	3	80	20	1	1	-	100	40	P
6	DSC-4 (T) Fundamentals of Data Science	4BCA4	5			5	5	-	5	3	80	20	1	-	-	100	40	P
7	DSC- 1 (P) Web Technologies	4BCALAB1	-	-	4	4	-	2	2	4	-	-		1	50	50	25	P
8	DSC- 2 (P) Adv Java Programming	4BCALAB2	-	1	4	4	-	2	2	4	-	1		ı	50	50	25	P
9	DSC- 3 (P) Data Science using Python	4BCALAB3	-	ı	4	4	1	2	2	4	ı	+		ı	50	50	25	P
10	Environmental Studies (AEC)	4BCAENV	2	ı	-	2	1	-	1	3	70	30	1	-	-	100	40	P
	Total		22	0	12	34	21	6	27				5			650		
	BCA-Sem-4 Total C	redit	32		,	Total M	arks	650							- '			

L: Lecture, T: Tutorial, P: Practical

Note: Internship /Field Work / Work Experience will be conducted after I semester till Vth semester in vacations for minimum 150 hrs. It's credits and grades will be reflected in final semester IV credit grade report.

Scheme of Teaching, Learning, Examination and Evaluation

APPENDIX - A I (<u>B.C.A. Part-I</u>) (Semester-V)

	Seneme of Teach	<i>3</i> ′	<i>0</i> ′				& Learnin	a Schama					Fv		`	k Evalua	tion Sch	ome
Sr	Subjec	Subject	Te	achir l		riod	& Learnin	Credit s		Duration of		M	Laximum			& Evalua	Mini m	
N	t	Code				Total				Examsin	Theory	Skill		Pra	ctical			
0			L	T	P	Marks	Theory / Tutoria l	Practical	Total	Hrs	+ M.C.Q Ext.	Enhancemen t Module (SEM)Int.	SEM Credit	Int.	Ext.	Total Mark s	Marks	Grade
3	DSC- 1 (T) Computer Graphics	5BCA1	5			5	5	-	5	3	80	20	1	-	-	100	40	P
4	DSC- 2 (T) Android Application Development	5BCA2	5			5	5	-	5	3	80	20	1	-	-	100	40	P
5	DSC- 3 (T) Dot Net Technologies with C#	5BCA3	5		1	5	5	-	5	3	80	20	1	-	-	100	40	Р
6	DSC-4 (T) Software Engineering	5BCA4	5			5	5	-	5	3	80	20	1	-	-	100	40	P
7	DSC- 1 (P) Graphic Programming	5BCALAB1	1	-	4	4	-	2	2	4	-	-		-	50	50	25	P
8	DSC- 2 (P) Android Programming	5BCALAB2	-	1	4	4	-	2	2	4	-	-		-	50	50	25	P
9	DSC- 3 (P) C# Programming	5BCALAB3	-	-	4	4	-	2	2	4	-	-		-	50	50	25	P
10	*Open Elective (OE1) Elective 1-Blockcain Technology 2- Cyber Security 3- Power BI	5BCAOE	5	1	ı	5	5	-	5	3	100	-	-	-	-	100	40	P
	Total		25	0	12	37	25	6	31				4			650		
	BCA-Sem-5 Total Cı	edit	35		,	Total M	arks	650										

Note: Internship /Field Work / Work Experience will be conducted after I semester till Vth semester in vacations for minimum 150 hrs. It's credits and grades will be reflected in final semester. IV credit grade report.

Scheme of Teaching, Learning, Examination and Evaluation

APPENDIX - A I (B.C.A. Part-I) (Semester-VI)

					T	eaching'	& Learnin	g Scheme				Exam	ination	& Eval	uation	Scheme		
Sr			Те	I	ng Pe Per reek	eriod		Credit s		Duration		M	aximum	Marks				imum ssing
N	Subjec t	Subject Code	_			Total	Theory			of Exams in	Theory	Skill	SEM	Prac	tical	Total		
0			L	T	P	Marks	/ Tutoria I	Practical	Total	Hrs	+ M.C.Q Ext.	Enhancemen t Module (SEM)Int.	Credi t	Int.	Ext.	Mark s	Marks	Grade
3	DSC- 1 (T) R- Programming	6BCA1	5			5	5	-	5	3	80	20	1	-	-	100	40	P
4	DSC- 2 (T) PHP Programming	6BCA2	5			5	5	-	5	3	80	20	1	ı	1	100	40	P
5	DSC- 3 (T) Fundamentals of Cloud Computing	6BCA3	5		-	5	5	-	5	3	80	20	1	-	1	100	40	P
6	DSC-4 (T) Network Security	6BCA4	5			5	5	-	5	3	80	20	1	-	-	100	40	P
7	DSC- 1 (P) R Programming	6BCALAB1	-	-	4	4	ı	2	2	4	-	-		1	50	50	25	P
8	DSC- 2 (P) PHP Programming	6BCALAB2	-	1	4	4	ı	2	2	4	1	1		ı	50	50	25	P
9	DSC- 3 (P) Based on Cloud Computing	6BCALAB3	-	-	4	4	ı	2	2	4	1	-		1	50	50	25	P
10	Internship / Project	6BCAIP	-	-	2	2	1	2	2	4	-	-	-	25	25	50	25	P
	Total		20	0	14	34	20	8	28				4			600		
	BCA-Sem-6 Total Cr	edit	32		,	Total M	arks	600									_	

L: Lecture, T: Tutorial, P: Practical

Note: Internship /Field Work / Work Experience will be conducted after I semester till Vth semester in vacations for minimum 150 hrs. It's credits and grades will be reflected in final semester IV credit grade report.