

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																		5
APPENDIX - A I (B.C.A. Part-I) (Semester-I)																		
Sr . N o	Subjec t	Subject Code	Teaching & Learning Scheme							Duratio nof Exams in Hrs	Examination & Evaluation Scheme							
			Teaching Period Per week				Credit s				Maximum Marks					Minimum Passing		
			L	T	P	Total Marks	Theory / Tutoria l	Practical	Total		Theory + M.C.Q Ext.	Skill Enhancemen t Module (SEM)Int.	SEM Credit	Practical		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	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	College Level Exam.					50	20	p.
11	Induction Programme*	BCAIP				30 hrs (beginning of 1 Semester classes)			1*									P
	Total		25	1	12	38	25	7	33				6			675		
	BCA-Sem-1 Total Credit		39	Total Marks			675											

**L: Lecture, T: Tutorial, P: Practical**

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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.**

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

## Examinations leading to the Degree of Bachelor of Science

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(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)

Sr No	Subject	Subject Code	Teaching & Learning Scheme							Duration of Exams in Hrs	Examination & Evaluation Scheme								
			Teaching Period Perweek				Credits				Maximum Marks						Minimum Passing		
			L	T	P	Total Marks	Theory / Tutorial	Practical	Total		Theory + M.C.Q Ext.	Skill Enhancement Module (SEM)Int.	SEM Credit	Practical		Total Marks	Marks	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	-	-	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	-	-	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	-	-	2	2	-	2	2	College Level Exam.					50	20	p.	
	Total		25	1	12	38	25	7	32				6			675			
	BCA-Sem-2 Total Credit		38	Total Marks			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.

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

Sr . No	Subjec t	Subject Code	Teaching & Learning Scheme							Duration ofExams in Hrs.	Examination & Evaluation Scheme								
			Teaching Period Perweek				Credit s				Maximum Marks						Minimu m Passing		
			L	T	P	Total Marks	Theory / Tutoria l	Practica l	Total		Theory + M.C.Q Ext.	Skill Enhancemen t Module (SEM)Int.	SEM Credit	Practical		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	-	-		-	50	50	25	P	
9	DSC- 3 (P) Python Programming	3BCALAB3	-	-	4	4	-	2	2	4	-	-		-	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 Credit		32	Total Marks			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.**

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

**Examinations leading to the Degree of Bachelor of Science**  
**(Three Years Six Semesters Degree Programme) (Choice Based Credit System )**

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**Scheme of Teaching, Learning, Examination and Evaluation**

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

Sr No	Subject	Subject Code	Teaching & Learning Scheme							Duration of Exams in Hrs	Examination & Evaluation Scheme								
			Teaching Period Perweek				Credits				Maximum Marks						Minimum Passing		
			L	T	P	Total Marks	Theory / Tutorial	Practical	Total		Theory + M.C.Q Ext.	Skill Enhancement Module (SEM)Int.	SEM Credit	Practical		Total Marks	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	-	-	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	-	-	4	4	-	2	2	4	-	-		-	50	50	25	P	
9	DSC- 3 (P) Data Science using Python	4BCALAB3	-	-	4	4	-	2	2	4	-	-		-	50	50	25	P	
10	Environmental Studies (AEC)	4BCAENV	2	-	-	2	1	-	1	3	70	30	1	-	-	100	40	P	
	Total		22	0	12	34	21	6	27				5			650			
	BCA-Sem-4 Total Credit		32	Total Marks				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.**

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

Sr . No	Subject	Subject Code	Teaching & Learning Scheme							Duration of Exams in Hrs	Examination & Evaluation Scheme							
			Teaching Period Per week				Credits				Maximum Marks					Minimum Passing		
			L	T	P	Total Marks	Theory / Tutorial	Practical	Total		Theory + M.C.Q Ext.	Skill Enhancement Module (SEM)Int.	SEM Credit	Practical		Total Marks	Marks	Grade
Int.	Ext.																	
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	College Level Exam.					50	20	p.
11	Induction Programme*	BCAIP				30 hrs (beginning of 1 Semester classes)			1									P
	Total		25	1	12	38	25	7	33				6			675		

	BCA-Sem-1 Total Credit	39	Total Marks	675	
<b>L: Lecture, T: Tutorial, P: Practical</b> <b>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.</b> <b>- OEC (Optional) can be studied during semester I to VI, Its credits and grades will be reflected in final semester VI credit grade report</b>					





**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**

**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)**

Sr . No	Subject	Subject Code	Teaching & Learning Scheme							Duration of Exams in Hrs.	Examination & Evaluation Scheme								
			Teaching Period Perweek				Credits				Maximum Marks						Minimum Passing		
			L	T	P	Total Marks	Theory / Tutorial	Practical	Total		Theory + M.C.Q Ext.	Skill Enhancement Module (SEM)Int.	SEM Credit	Practical		Total Marks	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)Python Programming	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	-	-		-	50	50	25	P	
9	DSC- 3 (P) Python Programming	3BCALAB3	-	-	4	4	-	2	2	4	-	-		-	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 Credit		32	Total Marks			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.**

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

Sr . No	Subject	Subject Code	Teaching & Learning Scheme							Duration of Exams in Hrs	Examination & Evaluation Scheme								
			Teaching Period Perweek				Credits				Maximum Marks						Minimum Passing		
			L	T	P	Total Marks	Theory / Tutorial	Practical	Total		Theory + M.C.Q Ext.	Skill Enhancement Module (SEM)Int.	SEM Credit	Practical		Total Marks	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	-	-	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	-	-	4	4	-	2	2	4	-	-		-	50	50	25	P	
9	DSC- 3 (P) Data Science using Python	4BCALAB3	-	-	4	4	-	2	2	4	-	-		-	50	50	25	P	
10	Environmental Studies (AEC)	4BCAENV	2	-	-	2	1	-	1	3	70	30	1	-	-	100	40	P	
	Total		22	0	12	34	21	6	27				5			650			
	BCA-Sem-4 Total Credit		32	Total Marks			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.**

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



**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**

**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-VI)**

Sr . No	Subject	Subject Code	Teaching & Learning Scheme							Duration of Exams in Hrs	Examination & Evaluation Scheme								
			Teaching Period Per week				Credits				Maximum Marks					Minimum Passing			
			L	T	P	Total Marks	Theory / Tutorial	Practical	Total		Theory + M.C.Q Ext.	Skill Enhancement Module (SEM)Int.	SEM Credit	Practical		Total Marks	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	-	-	100	40	P	
5	DSC- 3 (T) Fundamentals of Cloud Computing	6BCA3	5		-	5	5	-	5	3	80	20	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	-	2	2	4	-	-		-	50	50	25	P	
8	DSC- 2 (P) PHP Programming	6BCALAB2	-	-	4	4	-	2	2	4	-	-		-	50	50	25	P	
9	DSC- 3 (P) Based on Cloud Computing	6BCALAB3	-	-	4	4	-	2	2	4	-	-		-	50	50	25	P	
10	Internship / Project	6BCAIP	-	-	2	2	-	2	2	4	-	-	-	25	25	50	25	P	
	Total		20	0	14	34	20	8	28				4			600			
	BCA-Sem-6 Total Credit		32	Total Marks			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.**

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