Bhavan's Vivekananda College

Department of Computer Science
Sainikpuri, Secunderabad
Autonomous College – Affiliated to Osmania University
BCA I Year

CBCS (Choice Based Credit System) w.e.f. 2016-2017

Scheme of Instruction and Examination

SEMESTER – I

Sl.No.	Code	Paper Title	Course Type	PPW TH	PPW PR	Max. Marks TH	Max. Marks TH-CIA	Max. Marks PR	Max. Marks PR-CIA	Credits
1	BCA 141	Discrete Mathematics	GE	4		70	30			4
2	BCA 142	Programming in 'C'	CC	4		70	30			4
3	BCA 143	Fundamentals of Information Technology	CC	4		70	30			4
4	BCA 144	General English	AECC	4		70	30			4
5	BCA 145	Information Systems Theory and Applications	CC	4		70	30			4
6	BCA 142P	Programming in C Lab			3			50		2
7	BCA 143P	Fundamentals of Information Technology Lab			3			50		2
		Total		20	6	350	150	100		24

AECC : Ability Enhancement Compulsory Course
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CBCS (Choice Based Credit System) w.e.f. 2016-2017

Scheme of Instruction and Examination

SEMESTER – II

Sl.No.	Code	Paper Title	Course Type	PPW		Max. Marks		Max. Marks		Credits
				TH	PR	TH	TH-CIA	PR	PR-CIA	
1	BCA 241	Programming in C++	CC	4		70	30			4
2	BCA 242	IT Hardware	CC	4		70	30			4
3	BCA 243	Effective Documentation and Presentation	SEC	4		70	30			4
4	BCA 244	Data Analysis	GE	4		70	30			4
5	BCA 245	Organizations and Functions	GE	4		70	30			4
6	BCA 241P	Programming in C++ Lab			3			50		2
7	BCA 242P	IT-Hardware Lab			3			50		2
		Total		20	6	350	150	100		24

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Department of Computer Science
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BCA III SEMESTER

<u>CBCS (Choice Based Credit System) w.e.f. 2017-2018</u>

Scheme of Instruction and Examination

Sl.No.	Code	Paper Title	Course Type	PPW TH	PPW PR	Max. Marks TH	Max. Marks TH-CIA	Max. Marks PR	Max. Marks PR-CIA	Credits
1	BCA341	Effective Communication	SEC	4		70	30			4
2	BCA342	Data Communication and Networking	CC	4		70	30			4
3	BCA343	Operating Systems	CC	4		70	30			4
4	BCA344	Object Oriented Programming with Java	CC	4		70	30			4
5	BCA345	Gender Sensitization	GE	2		50				2
6	BCA343P	Operating Systems Lab			3			50		2
7	BCA344P	Object Oriented Programming with Java Lab			3			50		2
8	BCA346	Seminar – I			3				25	2
			Total	**18**	**9**	**330**	**120**	**100**	**25**	**24**

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Department of Computer Science
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BCA IV SEMESTER

CBCS (Choice Based Credit System) w.e.f. 2017-2018

Scheme of Instruction and Examination

Sl.No.	Code	Paper Title	Course Type	PPW		Max. Marks		Max. Marks		Credits
				TH	PR	TH	TH-CIA	PR	PR-CIA	
1	BCA441	Environmental Studies	AECC	4		70	30			4
2	BCA442	Mobile Computing	CC	4		70	30			4
3	BCA443	Database Management System	CC	4		70	30			4
4	BCA444	GUI Programming and Data Structures (Using Java)	CC	4		70	30			4
5	BCA445	System Analysis and Logical Design	CC	4		70	30			4
6	BCA443P	Database Management System Lab			3			50		2
7	BCA444P	GUI Programming and Data Structures (Using Java) Lab			3			50		2
		Total		20	6	350	150	100		24

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BCA V SEMESTER
CBCS (Choice Based Credit System) w.e.f. 2018-2019

Scheme of Instruction and Examination

Sl.No.	Code	Paper Title	Course Type	PPW		Max. Marks		Max. Marks		Credits
				TH	PR	TH	TH-CIA	PR	PR-CIA	
1	BCA541	Internet Protocols	CC	4		70	30			4
2	BCA542	Object Oriented System Development	CC	4		70	30			4
3		**Elective-I (Any one of the following including respective lab)**	DSE	4	3	70	30	50		6
	BCA543a	Web Technologies								
	BCA543aP	Web Technologies Lab								
	BCA543b	Mobile Application Development								
	BCA543bP	Mobile Application Development Lab								
	BCA543c	Unix Programming								
	BCA543cP	Unix Programming Lab								

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Sl.No.	Code	Paper Title	Course Type	PPW		Max. Marks	Credits	Max. Marks		Credits
				TH	PR	TH	TH-CIA	PR	PR-CIA	
4		**Elective-II (Any one of the following including respective lab)**	DSE	4	3	70	30	50		6
	BCA544a	Advanced Java Programming								
	BCA544aP	Advanced Java Programming Lab								
	BCA544b	Scripting Language								
	BCA544bP	Scripting Language Lab								
	BCA544c	. Net and C# Programming								
	BCA544cP	. Net and C# Programming Lab								
5	BCA545	Seminar-II			3				25	2
		Total		16	9	280	120	100	25	22

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BCA VI SEMESTER

CBCS (Choice Based Credit System) w.e.f. 2018-2019

Scheme of Instruction and Examination

Sl.No.	Code	Paper Title	Course Type	PPW		Max. Marks		Max. Marks		Credits
				TH	PR	TH	TH-CIA	PR	PR-CIA	
1		**Elective-III (Any one of the following)**	DSE	4		70	30			4
	BCA641a	Information Security								
	BCA641b	Grid Computing								
	BCA641c	Multimedia								
2		**Elective-IV (Any one of the following)**	DSE	4		70	30			4
	BCA642a	System and Network Administration								
	BCA642b	Cloud Computing								
	BCA642c	Artificial Intelligence								

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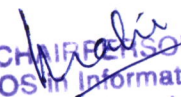BOS in Informatics
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BCA VI SEMESTER

CBCS (Choice Based Credit System) w.e.f. 2018-2019

Scheme of Instruction and Examination

Sl.No.	Code	Paper Title	Course Type	PPW		Max. Marks	Credits	Max. Marks			Credits
				TH	PR	TH	TH-CIA	PR	PR-CIA		
3		**Elective-V (Any one of the following)**	DSE	4		70	30				4
	BCA643a	Software Testing									
	BCA643b	Big Data									
	BCA643c	Data Warehouse and Data Mining									
4		**Elective-VI (Any one of the following)**	DSE	4		70	30				4
	BCA644a	E-Commerce									
	BCA644b	Internet of Things									
	BCA644c	Business Intelligence									
5	BCA645	Seminar-III			3				25		2
6	BCA646	Main Project			6			125	25		6
		Total		16	9	280	120	125	50		24

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Department of Computer Science
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BCA OVERALL 3 YEARS CREDITS
CBCS (Choice Based Credit System)

Sl.No.	Course Type	No. of Papers	Credits
1	AECC	2	8
2	SEC	2	8
3	GE	4	14
4	DSE	6	28(24+4P)
4	CC	14	72(56+16P)
5	Seminar	3	06
6	Project	1	06
	Total		142

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Department of Computer Science
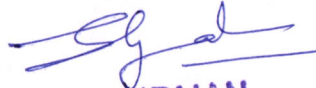### Sainikpuri, Secunderabad
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BCA OVERALL 3 YEARS CREDITS SEMESTER WISE

CBCS (Choice Based Credit System)

Sl.No.	Semester	Credits
1	I	24
2	II	24
3	III	24
4	IV	24
4	V	22
5	VI	24
	Total	142

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