

## BACHELOR OF COMPUTER APPLICATIONS (B.C.A.)

### Semester - I : (ODD)

Paper	Subject Code	Subject	Credit	Exam Hours	Max. Marks		
Part – II	CLZ1K	English – I	4	3	25	75	100
Part – III (Core)	SAU1A	Fundamentals of Digital Computer	4	3	25	75	100
	SAZ11	Practical – I : PC Software	3	3	40	60	100
(Allied)	SBAMM	Mathematics – I	4	3	25	75	100
Part – IV (Softskill)	TSSEP	Effective Presentation Skill for the Physically Challenged (DEAF)	3	2	50	50	100

### Semester - II : (EVEN)

Paper	Subject Code	Subject	Credit	Exam Hours	Max. Marks		
Part – II	CLZ2K	English – II	4	3	25	75	100
Part – III (Core)	SAE1A	Programming in C	4	3	25	75	100
	SAE11	Practical – II : Programming in C LAB	3	3	40	60	100
(Allied)	SBAMN	Mathematics – II	4	3	25	75	100
Part – IV (Softskill)	TSSER	Skills in Communication for the Physically Challenged (DEAF)	3	2	50	50	100

**Semester – III : (ODD)**

<b>Paper</b>	<b>Subject Code</b>	<b>Subject</b>	<b>Credit</b>	<b>Exam Hours</b>	<b>Max. Marks</b>		
Part – III (Core)	SAZ3A	<b>Paper – V</b> : Programming in C++ and Data Structures	4	3	25	75	100
	SAZ3B	<b>Paper – VI</b> : Microprocessors and its applications	4	3	25	75	100
	SAZ3C	<b>Paper – VII</b> : Numerical and Statistical Methods	4	3	25	75	100
	SAZ31	<b>Paper – VIII : Practical – III</b> : Programming in C++ using Data Structures	3	3	40	60	100
Part – III (Allied)	SBZ3C	<b>Paper – III</b> : Financial Accounting	4	3	25	75	100
Part – IV (Softskill)	TSSEW	Personality Enrichment	3	2	50	50	100

**Semester – IV : (EVEN)**

<b>Paper</b>	<b>Subject Code</b>	<b>Subject</b>	<b>Credit</b>	<b>Exam Hours</b>	<b>Max. Marks</b>		
Part – III (Core)	SAZ4A	<b>Paper – IX</b> : Programming in JAVA	4	3	25	75	100
	SAZ4B	<b>Paper – X</b> : Operating Systems	4	3	25	75	100
	SAZ4C	<b>Paper – XI</b> : Computer Graphics	4	3	25	75	100
	SAZ41	<b>Paper – XII : Practical – IV</b> : Programming in JAVA LAB	3	3	40	60	100
Part – III (Allied)	SBZ4A	<b>Paper – IV</b> : Cost and Management Accounting	4	3	25	75	100
Part – IV	ENV4A	Environmental Studies	4	3	25	75	100
Part – IV (Softskill)	TSSEE	Technical Writing and Presentation Skills	3	2	50	50	100

**Semester – V : (ODD)**

<b>Paper</b>	<b>Subject Code</b>	<b>Subject</b>	<b>Credit</b>	<b>Exam Hours</b>	<b>Max. Marks</b>		
Part – III (Core)	SAZ5A	<b>Paper – XIII</b> : Database Management Systems	4	3	25	75	100
	SAZ5B	<b>Paper – XIV</b> : Software Engineering	4	3	25	75	100
	SAZ5C	<b>Paper – XV</b> : Resource Management Techniques	4	3	25	75	100
	SAZ51	<b>Paper – XVI : Practical – V</b> : RDBMS LAB	3	3	40	60	100
(Elective)	SEZ5A	Visual Programming	4	3	25	75	100
Part – IV	VAE5Q	Value Education	1	3	25	75	100

**Semester – VI : (EVEN)**

<b>Paper</b>	<b>Subject Code</b>	<b>Subject</b>	<b>Credit</b>	<b>Exam Hours</b>	<b>Max. Marks</b>		
Part – III (Core)	SAZ6A	<b>Paper – XVII</b> : Web Technology	4	3	25	75	100
	SAZ6B	<b>Paper – XVIII</b> : Data Communication & Networking	4	3	25	75	100
	SAZ6C	<b>Paper – XIX</b> : Software Testing	4	3	25	75	100
	SAZ61	<b>Paper – XX : Practical – VI</b> : Web Application Lab	3	3	40	60	100
(Elective)	SEZ6B	E - Commerce	4	3	25	75	100
	SEZ6G	Distributed Computing	4	3	25	75	100
Part – IV	CES6Q	Extension Activities	1		-		