



SARDAR PATEL UNIVERSITY, BALAGHAT
School of Computer Science and Application
Choice Based Credit System
Scheme of Examination under NEP 14(1)

Course: Bachelor of Computer Applications (BCA)
Branch: Computer Science and Application

Semester: IV
w.e.f Academic Session: 2025-26

Sr. No.	Course Category	Sub Code	Subject Name	Maximum Marks Allotted				Total	Contacts Hours Per Week			Total Credit
				Theory		Practical			L	T	P	
				End Sem	Mid Sem	End Sem	Lab Work					
1	MA	BCAMA401T	Java Programming	70	30	--	--	100	4	0	0	4
	MA	BCAMA401P	Java Programming Lab	--	--	100	--	100	0	0	4	2
2	MI	BCAMI402T	VB.Net Programming	70	30	--	--	100	4	0	0	4
3	DSE-2	BCADSE403AT	Internet of Things (IoT)	70	30	--	--	100	4	0	0	4
		BCADSE403BT	Big Data Analytics									
		BCADSE403CT	E-Accounting and GST									
4	AEC	BCAAEC404T	Technical Communication	100	--	--	--	100	2	0	0	2
5	SEC	BCASEC405T	Cloud Computing	100	--	--	--	100	3	0	0	3
6	PW	BCAPW406P	Project Work	--	--	100	--	100	0	0	4	2
TOTAL				410	90	200	--	700	17	0	8	21

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit

THEORY MARKS	500
PRACTICAL MARKS	200
TOTAL	700

THEORY CREDITS	17
PRACTICAL CREDITS	4
TOTAL	21

Abbreviations: AEC – Ability Enhancement Course, MA – Major Subject, MI – Minor Subject, DSE – Discipline Specific Elective, SEC – Skill Enhancement Course, PW – Project Work, T – Theory, P – Practical, L – Lecturer.

Note: Out of five theory subjects, two subjects will be covered through MOOC/ SWAYAM/ NPTEL as per course availability.