



Chhattisgarh Swami Vivekanand Technical University

(CSVTU, NEWAI (C.G.))

SCHEME OF TEACHING AND EXAMINATION

BACHELOR OF COMPUTER APPLICATIONS (BCA) – FIRST SEMESTER

S. No.	Board of Studies (BOS)	Courses (Subject)	Subject Code	Course Category	Period per Week			Scheme of Examination			Total Marks	Credits	Assessment/Assignment hours per week	Teaching Hours/ Sem				
					L	T	P	Theory/Lab										
								ESE	CT	TA								
1.	Computer Application	Fundamentals of Information Technology	3021A01BT021	CC	3	1	0	100	20	20	140	4	1	60				
2.	Computer Application	Office Automation	3021A02BT021	CC	3	1	0	100	20	20	140	4	1	60				
3.	Computer Application	Programming in C – Paper I	3021A03CT021	SEC	3	1	0	100	20	20	140	4	1	60				
4.	Humanities	Communication Skill	3021A04DT046	AEC	1	1	0	50	10	10	70	2	1	30				
5.	Humanities	Foundation course on Ancient Indian Knowledge System	3021A05ET046	IKS	1	1	0	50	10	10	70	2	1	30				
6.	Electronics & Telecom.	Digital Electronics	3021A06JT028	MDS	2	1	0	100	20	20	140	3	-	45				
7.	Electronics & Telecom.	Digital Electronics (Lab)	3021A01JL028	MDS	0	0	2	40	-	20	60	1	-	30				
8.	Computer Application	Office Automation (Lab)	3021A02BL021	CC	0	0	2	40	-	20	60	1	-	30				
9.	Computer Application	Programming in C – Paper I (Lab)	3021A03CL021	SEC	0	0	2	40	-	20	60	1	-	30				
10.	Computer Application	Operating System (DOS & WINDOWS) (Lab)	3021A04BL021	CC	0	0	2	40	-	20	60	1	-	30				
11.	Civil Engineering	Environmental Science	3021A07FT020	VAC	2		0	-	-	30	30	-	-	15				
12.	Humanities	Sports and Yoga	3021A05FL046	VAC	-	-	2	-	-	30	30	-	-	30				
					Total	15	06	10	660	100	240	1000	23	150	450			
													600					

L-Lecture, P-Practical, ESE-End semester Exam, CT-Class Test, TA-Teacher's Assessment

Note:- If a candidate does not have Mathematics at the 10+2 level, it is mandatory for them to clear the Mathematics as Bridge Course examination.

1	B	CC	Core Engineering Subjects/ Core Courses
2	C	SEC	Skilled Based Subject/ Skills Enhancement Course
3	D	AEC	Ability Enhancement Course
4	E	IKS	Indian Knowledge System
5	J	MDS	Multi Disciplinary Subjects
6	F	VAC	Human Values Management/ Value Education



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SCHEME OF TEACHING AND EXAMINATION

BACHELOR OF COMPUTER APPLICATIONS (BCA) – SECOND SEMESTER

Sl. No.	Board of Studies (BOS)	Courses (Subject)	Subject Code	Course Category	Period per Week			Scheme of Examination			Total Marks	Credits	Assessment/Assignment hours per week	Teaching Hours				
					L	T	P	Theory/Lab										
								ESE	CT	TA								
1.	Computer Application	Computer Systems Architecture	3021B01BT021	CC	3	1	0	100	20	20	140	4	1	60				
2.	Computer Application	Programming in C – Paper II	3021B02CT021	SEC	3	1	0	100	20	20	140	4	1	60				
3.	Computer Application	Web Technology	3021B03CT021	SEC	3	1	0	100	20	20	140	4	1	60				
4.	Computer Application	Digital Marketing & E-Commerce	3021B04JT021	MDS	1	1	0	50	10	10	70	2	1	30				
5.	Humanities	Indian Culture and Constitution	3021B05ET046	IKS	1	1	0	50	10	10	70	2	1	30				
6.	Applied Mathematics	Mathematical Foundation to Computer Science	3021B06BT014	CC	2	1	0	100	20	20	140	3	-	45				
7.	Computer Application	Mini Project	3021B01CL021	SEC	0	0	2	40	-	20	60	1	-	30				
8.	Computer Application	Programming in C – Paper II (Lab)	3021B02CL021	SEC	0	0	2	40	-	20	60	1	-	30				
9.	Computer Application	Web Technology (Lab)	3021B03CL021	SEC	0	0	2	40	-	20	60	1	-	30				
10.	Computer Application	Linux (Lab)	3021B04BL021	CC	0	0	2	40	-	20	60	1	-	30				
11.	Humanities	Health and Hygiene	3021B07FT046	VAC	2	0	0	-	-	30	30	0	-	15				
12.	Humanities	Value Education	3021B05FL046	VAC	-	-	2	-	-	30	30	-	-	30				
					Total	15	06	10	660	100	240	1000	23	150	450			
													600					

L-Lecture, P-Practical, ESE-End semester Exam, CT-Class Test, TA-Teacher's Assessment

Note:- If a candidate does not have Mathematics at the 10+2 level, it is mandatory for them to clear the Mathematics as Bridge Course examination.

1	B	CC	Core Engineering Subjects/ Core Courses
2	C	SEC	Skilled Based Subject/ Skills Enhancement Course
3	D	AEC	Ability Enhancement Course
4	E	IKS	Indian Knowledge System
5	J	MDS	Multi Disciplinary Subjects
6	F	VAC	Human Values Management/ Value Education

*Exit Criteria after 1st Year BCA programme

Students will have the option to exit the Bachelor of Computer Application (BCA) program after successfully completing the 1st Year. Upon exit there will be awarded a UG Certificate in Computer Application.

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SCHEME OF TEACHING AND EXAMINATION

BACHELOR OF COMPUTER APPLICATIONS (BCA)

BRIDGE COURSE

S. No.	Board of Studies (BOS)	Courses (Subject)	Subject Code	Course Category	Period per Week			Scheme of Examination	Total Marks	Credits	Assessment/Assignment hours per week	Teaching Hours/ Sem
					L	T	P					
								Theory/Lab				
1.	Applied Mathematics	ALGEBRA	3021A08AT014	AEC	2	1	0	100	100	0	1	60
Total					02	01	0	100	100	0	1	60

L-Lecture, P-Practical, ESE-End semester Exam, CT-Class Test, TA-Teacher's Assessment

Note:- Abbreviations of Course category

AEC- Ability Enhancement Courses

Note:- If a candidate does not have Mathematics at the 10+2 level, it is mandatory for them to clear the Mathematics as Bridge Course examination.

Note: All (10+2) Biology, Commerce, Arts, Home Science or Agriculture student on the other hand (10+2) no mathematics students must clear the Bridge Course examination during 3 years (6 semesters) tenure of BCA Program. The end semester examination of Bridge Course will be conducted with all semester examinations.