



BRAINWARE UNIVERSITY
SCHOOL OF COMPUTATIONAL & APPLIED SCIENCES
DEPARTMENT OF COMPUTATIONAL SCIENCES
BACHELOR OF COMPUTER APPLICATIONS /
BACHELOR OF COMPUTER APPLICATIONS (HONOURS) /
BACHELOR OF COMPUTER APPLICATIONS (HONOURS with RESEARCH)

SEMESTER – I

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Type
						CIE	ESE			
1	BCA10101	Digital Logic	3	1	0	40	60	100	4	Major
2	BCA19102	Digital Logic Lab	0	0	4	40	60	100	2	Major
3	BCA19103	Programming in C Lab	0	0	4	40	60	100	2	Major
4	BCA10001	Mathematics and Numerical Methods	3	0	0	40	60	100	3	IC
5	AEC00005	Functional English	2	0	0	40	60	100	2	AEC
6	BCA10002	Soft Skills	3	0	0	40	60	100	3	SEC
7	VAC00012	Problem Solving Methodologies	2	0	0	40	60	100	2	VAC
8	VAC00007	Human Values and Ethics	2	0	0	40	60	100	2	VAC
TOTAL			15	1	8	320	480	800	20	

SEMESTER – II

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Type
						CIE	ESE			
1	BCA20104	Data Structure and Algorithm	3	1	0	40	60	100	4	Major
2	BCA29105	Data Structure and Algorithm Lab	0	0	4	40	60	100	2	Major
3	BCA29106	Python Lab	0	0	4	40	60	100	2	Major
4	BCA20001	Discrete Mathematical Structure	3	0	0	40	60	100	3	IC
5	AEC00002	Communicative English	2	0	0	40	60	100	2	AEC
6	BCA20002	HTML, CSS and CSS Preprocessor	3	0	0	40	60	100	3	SEC
7	VAC00003	Computer Architecture	2	0	0	40	60	100	2	VAC
8	VAC00006	Environmental Studies	2	0	0	40	60	100	2	VAC
TOTAL			15	1	8	320	480	800	20	