

Kazi Nazrul University

Curriculum for BCA (H)

Course

Asansol, Burdwan

Semester 1

Theory								
Sl No	Course Code	Course Title	Contact hrs/wk				Credit	Marks
			L	T	P	Total		
1	BCA101	Computer Fundamentals	3	1	-	4	4	100
2	BCA102	Programming in C	3	1	-	4	4	100
3	BCA103	Mathematics -I	3	1	-	4	4	100
4	BCA104	Environmental Studies	4	-	-	4	4	50
Total of Theory						16	16	350
Practical								
5	BCA105	PC Software Lab	-	-	6	6	4	100
6	BCA106	Programming Lab in C	-	-	6	6	4	100
Total of Practical						12	8	200
Total						28	24	550

Semester 2

Theory								
Sl No	Course Code	Course Title	Contact hrs/wk				Credit	Marks
			L	T	P	Total		
1	BCA201	Digital Logic	3	1	-	4	4	100
2	BCA202	Data Structure	3	1	-	4	4	100
3	BCA203	Accounting & Costing	3	1	-	4	4	100
4	BCA204	English	2	-	-	2	2	50
Total of Theory						14	14	350
Practical								
6	BCA205	Data Structure Lab	-	-	6	6	4	100
7	BCA206	Digital Lab	-	-	6	6	4	100
Total of Practical						12	8	200
Total						26	22	550

Semester 3

Theory								
Sl No	Course Code	Course Title	Contact			hrs/wk	Credit	Marks
			L	T	P	Total		
1	BCA301	Object oriented programming with C++	3	1	-	4	4	100
2	BCA302	Operating System	3	1	-	4	4	100
3	BCA303	Mathematics-II	3	1	-	4	4	100
4	BCA 304	Reasoning & Aptitude	2	-	-	2	2	50
5	BCA E305	Elective 1	3	1	-	4	4	100
		Total of Theory				18	18	
Practical								
6	BCA 306	C++ Lab	-	-	6	6	4	100
7	BCA 307	Unix and Shell programming Lab	-	-	6	6	4	100
		Total of Practical				12	8	200
		Total				30	26	650

Semester 4

Theory								
Sl No	Course Code	Course Title	Contact			hrs/wk	Credit	Marks
			L	T	P	Total		
1	BCA401	Data Base Management System	3	1	-	4	4	100
2	BCA402	Computer Networks	3	1	-	4	4	100
3	BCA403	Information System Analysis & Design	3	1	-	4	4	100
4	BCA404	Communicative English	2	-	-	2	2	50
5	BCA E405	Elective 2	3	1	-	4	4	100
		Total of Theory				18	18	450
Practical								
6	BCA406	SQL/PLSQL Lab	-	-	6	6	4	100
7	BCA 407	VB Lab	-	-	6	6	4	100
		Total of Practical				12	8	200
		Total				30	26	650

Semester 5

Theory								
Sl No	Course Code	Course Title	Contact hrs/wk				Credit	Marks
			L	T	P	Total		
1	BCA501	Software Engineering	3	1	-	4	4	100
2	BCA502	Web Technology	3	1	-	4	4	100
3	BCA503	Mathematics III	3	1	-	4	4	100
4	BCA 504	Core Java	3	1	-	4	4	100
5	BCA E505	Elective 3	4	1	-	4	4	100
Total of Theory						20	20	500
Practical								
6	BCA506	Web Technology Lab	-	-	6	6	4	100
7	BCA507	Java Lab	-	-	6	6	4	100
Total of Practical						12	8	200
Total						32	28	700

Semester 6

Theory								
Sl No	Course Code	Course Title	Contact hrs/wk				Credit	Marks
			L	T	P	Total		
1	BCA 601	Computer Graphics	3	1	-	4	4	100
2	BCA 602	Internet and E-commerce	3	1	-	4	4	100
3	BCA E603	Elective 4	3	1	-	4	4	100
Total of Theory						12	12	300
Practical								
4	BCA604	Computer Graphics Lab	-	-	6	6	4	100
5	BCA605	Internet and E-commerce Lab	-	-	6	6	4	100
6	BCA 606	Project Work and Viva	-	-	6	6	4	100
Total of Practical						18	12	300
Total						26	24	600

Total Credit - 142