

K.B.WOMEN'S COLLEGE, HAZARIBAG

BACHELOR OF COMPUTER APPLICATION

The Syllabus is based on Semester System. Each Academic year is divided into Two Semester having a total Six Semesters. The course consists of 24 papers including theory & practical total of 2400 marks.

Core Papers for BCA

Semester - 1

Paper Code	Title	Credit	Marks
BCA F1001	Communication Skills	4	100
BCA F1002	Basic Mathematics	5	100
BCA F1003	FST (Fundamentals of Science and Technology)	4	100
BCA C1004	Introduction to Computer Software	5	100
BCA C1005	Problem Solving and Programming in C	5	100
	Sessional		
BCA P1006	Computer Basic and PC Software Lab	1	50
BCA P1007	C Programming Lab	1	50

Semester - 2

Paper Code	Title	Credit	Marks
BCA F2001	Basic Mathematics II	4	100
BCA F2002	Environmental Science	4	100
BCA F2003	Database Management System	5	100
BCA C2004	Object Oriented Programming using C++	5	100
BCA C2005	Logic Design	5	100
	Sessional		
BCA P2006	Computer Basic and PC Software Lab	1	50
BCA P2007	C Programming Lab	1	50

Semester - 3

Paper Code	Title	Credit	Marks
BCA F3001	Data Structure using C	4	100
BCA F3002	Java Programming	5	100
BCA F3003	Computer Architecture and Assembly language	4	100
BCA C3004	System Analysis and Design	5	100
BCA C3005	Probability and Statistics	5	100
	Sessional		
BCA P3006	Date and File Structure Lab	1	50
BCA P3007	Java Programming Lab	1	50

Semester - 4

Paper Code	Title	Credit	Marks
BCA F4001	Computer Graphics and Multimedia	4	100
BCA F4002	Operating System Concept and Network Management	4	100
BCA F4003	Software Engineering	5	100
BCA C4004	Programming in Visual Basic	5	100
BCA C4005	Data Communication and Computer Network	5	100
	Sessional		
BCA P4006	Operating System Concept and Network	1	50
BCA P4007	Management Lab Visual Basic Lab	1	50

Semester - 5

Paper Code	Title	Credit	Marks
BCA F5001	Internet Concept and Web Design	4	100
BCA F5002	Design and Analysis of Algorithm	5	100
BCA F5003	Linux Programming	4	100
BCA C5004	Computer Oriented Numerical Methods	5	100
BCA C5005	Elective -4	5	100
	Sessional		
BCA P5006	Internet Concept and Web Design	1	50
BCA P5007	Numerical Method Lab	1	50

Semester - 6

Paper Code	Title	Credit	Marks
BCA F6001	Optimization Technique	4	100
BCA F6002	Principle of Management	4	100
BCA F6003	Accounting and Financial Management	5	100
BCA C6004	Computer Network Security	5	100
BCA C6005	Elective-II	5	100
	Sessional		
BCA P6006	Project	1	50

ELECTIVE PAPERS

ELECTIVE -I	ELECTIVE -II
BCA E5007 - E- Commerce	BCA E6006- MIS
BCA E5008 - Software Testing	BCA E6007- Artificial Intelligence
BCA E5009 - Software Computing	BCA E6008 - Bio- Information