



DEPARTMENT OF COMPUTER SCIENCE
GOVT. V.Y.T. PG AUTONOMOUS COLLEGE, DURG

Curriculum Structure of Bachelor of Computer Application

Session 2020-21	
BCA Part I	
Paper I: (BCA101)	Discrete Maths
Paper II: (BCA102)	Computer Fundamentals
Paper III: (BCA103)	Programming in 'C' Language
Paper IV: (BCA104)	PC Software and Multimedia
Paper V: (BCA105)	Web Technology and E-Commerce
Paper VI: (BCA106)	Communication Skills
Practical I: (BCA107)	Lab 1: Programming Lab in 'C'
Practical II: (BCA108)	Lab 2: PC Software Lab
Practical III: (BCA109)	Lab 3: Web Technology Lab
BCA Part II	
Paper I: (BCA 201)	Calculus and Differential Equations
Paper II: (BCA 202)	DBMS
Paper III: (BCA 203)	Programming in C++
Paper IV: (BCA 204)	Computer Networking
Paper V: (BCA 205)	Operating System with Linux
Paper VI: (BCA 206)	Foundation Course
Practical I: (BCA 207)	Lab 1: Programming in C++
Practical II: (BCA 208)	Lab 2: Database Management System
Practical III: (BCA 209)	Lab 3: Operating System
BCA Part III	
Paper I: (BCA 301)	Statistical Analysis
Paper II: (BCA 302)	Programming in Python
Paper III: (BCA 303)	Dot Net Technology
Paper IV: (BCA 304)	Software Engineering
Paper V: (BCA 305)	Data Structure
Paper VI: (BCA 306)	Computer System Architecture
Practical I: (BCA 307)	Lab Course: Programming in Python
Practical I: (BCA 308)	Lab Course: Dot Net Technology
Practical II: (BCA 309)	Project
Session 2019-20	
BCA Part I	
Paper I: (BCA101)	Discrete Maths
Paper II: (BCA102)	Computer Fundamentals
Paper III: (BCA103)	Programming in 'C' Language
Paper IV: (BCA104)	PC Software and Multimedia
Paper V: (BCA105)	Web Technology and E-Commerce
Paper VI: (BCA106)	Communication Skills
Practical I: (BCA107)	Lab 1: Programming Lab in 'C'
Practical II: (BCA108)	Lab 2: PC Software Lab
Practical III: (BCA109)	Lab 3: Web Technology Lab
BCA Part II	
Paper I: (BCA 201)	Calculus and Differential Equations

Paper II: (BCA 202)	DBMS
Paper III: (BCA 203)	Programming in C++
Paper IV: (BCA 204)	Computer Networking
Paper V: (BCA 205)	Operating System with Linux
Paper VI: (BCA 206)	Foundation Course
Practical I: (BCA 207)	Lab 1: Programming in C++
Practical II: (BCA 208)	Lab 2: Database Management System
Practical III: (BCA 209)	Lab 3: Operating System
BCA Part III	
Paper I: (BCA 301)	Statistical Analysis
Paper II: (BCA 302)	Programming in Python
Paper III: (BCA 303)	Dot Net Technology
Paper IV: (BCA 304)	Software Engineering
Paper V: (BCA 305)	Data Structure
Paper VI: (BCA 306)	Computer System Architecture
Practical I: (BCA 307)	Lab Course: Programming in Python
Practical I: (BCA 308)	Lab Course: Dot Net Technology
Practical II: (BCA 309)	Project
Session 2018-19	
BCA Part I	
Paper I: (101) Theoretical foundation of Computer Science	Part I: Discrete Maths
	Part II: Calculus and Statistical Analysis
	Part III: Introductory Electronics
Paper II: (102)	Fundamentals of IT and OS
Paper III: (103)	Programming in 'C' Language
Paper IV: (104)	Introduction to PC S/W and Internet Application
Paper V: (105)	Part A: Programming in VB
	Part B: Practical based on VB
Paper VI: (106)	Part A: English communication skills
	Part B: Foundation course
Practical I: (107)	Lab 1: C Language and Mini Project on VB
Practical II: (108)	Lab 2: PC Software
Practical III: (109)	Lab 3: Based on VB
BCA Part II	
Paper I: (201)	Part I: Numerical analysis
	Part II: Differentiation and Integration
	Part III: Data structures
Paper II: (202)	DBMS (ORACLE, SQL)
Paper III: (203)	Programming in C++ and Visual C++
Paper IV: (204)	Computer Networking and Internet Technology
Paper V: (205)	Part A. Shell Programming in UNIX/LINUX
	Part B. Practical based on course UNIX/LINUX
Paper VI: (206)	Part A. Principles of Management
	Part B. Foundation course
Practical I: (207)	Practical based on course DBMS
Practical II: (208)	Practical based on course C++ and VC++
BCA Part III	
Paper I: (301)	Part I: Calculus and Geometry
	Part II: Differential Equation & Fourier Series
	Part III: Computer system Architecture
Paper II: (302)	JAVA
Paper III: (303)	Operating system

Paper IV: (304)	Software Engineering
Paper V: (305)	Part A. Multimedia Tools and Application
	Part B. Part B. Practical based on Multimedia tools and Application
Paper VI: (306)	Part A. Financial Accountancy
	Part B. Foundation Course
Practical I: (307)	Practical based on course JAVA
Practical II: (308)	Project
Session 2017-18	
BCA Part I	
Paper I: (101)	Part I: Discrete Maths
Theoretical foundation of Computer Science	Part II: Calculus & Statistical Analysis
	Part III: Introductory Electronics
Paper II: (102)	Fundamentals of IT and OS
Paper III: (103)	Programming in C' Language
Paper IV: (104)	Introduction to PC S/W and Internet Application
Paper V: (105)	Part A: Programming in VB
	Part B: Practical based on VB
Paper VI: (106)	Part A: English communication skills
	Part B: Foundation Course
Practical I: (107)	Lab1: C Language and Mini project on VB
Practical II: (108)	Lab 2: PC Software
Practical III: (109)	Lab 3: Based on VB
BCA Part II	
Paper I: (201)	Part I: Numerical analysis
	Part II: Differentiation and Integration
	Part III: Data structures
Paper II: (202)	DBMS (ORACLE, SQL)
Paper III: (203)	Programming in C++ and Visual C++
Paper IV: (204)	Computer Networking and Internet Technology
Paper V: (205)	Part A. Shell Programming in UNIX/LINUX
	Part B. Practical based on course UNIX/LINUX
Paper VI: (206)	Part A. Principle of Management
	Part B. Foundation course
Practical I: (207)	Practical based on DBMS
Practical II: (208)	Practical based on C++ and VC++
BCA Part III	
Paper I: (301)	Part I: Calculus and Geometry
	Part II: Differential Equation & Fourier series
	Part III: Computer system Architecture
Paper II: (302)	JAVA
Paper III: (303)	Operating system
Paper IV: (304)	Software Engineering
Paper V: (305)	Part A. Multimedia tools and Application
	Part B. Part B. Practical based on Multimedia tools and Application
Paper VI: (306)	Part A. Financial accountancy
	Part B. Foundation course
Practical I: (307)	Practical based on course JAVA
Practical II: (308)	Project
Session 2016-17	
BCA Part I	

Paper I: (101) Theoretical foundation of Computer Science	Part I: Discrete Maths
	Part II: Calculus and Statistical Analysis
	Part III: Introductory electronics
Paper II: (102)	Fundamental of IT and OS
Paper III: (103)	Programming in 'C' Language
Paper IV: (104)	Introduction to PC S/W and Internet application
Paper V: (105)	Part A: Programming in VB
	Part B: Practical based on VB
Paper VI: (106)	Part A: English communication skills
	Part B: Foundation course
Practical I: (107)	Lab 1: C Language & Mini project in VB
Practical II: (108)	Lab 2: PC Software
BCA Part II	
Paper I: (201)	Part I: Numerical analysis
	Part II: Differentiation and integration
	Part III: Data structure
Paper II: (202)	DBMS (ORACLE, SQL)
Paper III: (203)	Programming in C++ and Visual C++
Paper IV: (204)	Computer networking and Internet Technology
Paper V: (205)	Part A. Shell programming in UNIX/LINUX
	Part B. Practical based on course UNIX/LINUX
Paper VI: (206)	Part A. Principles of Management
	Part B. Foundation course
Practical I: (207)	Practical based on course DBMS
Practical II: (208)	Practical based on course C++ and VC++
BCA Part III	
Paper I: (301)	Part I: Calculus and Geometry
	Part II: Differential Equation and Fourier Series
	Part III: Computer System Architecture
Paper II: (302)	JAVA
Paper III: (303)	Operating System
Paper IV: (304)	Software Engineering
Paper V: (305)	Part A. Multimedia tools and Application
	Part B. Practical based on Multimedia tools and Application
Paper VI: (306)	Part A. Financial Accountancy
	Part B. Foundation course
Practical I: (307)	Practical based on course JAVA
Practical II: (308)	Project




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