SCHOOL OF OPEN & DISTANCE LEARNING
JAMIA HAMDARD, HAMDARD NAGAR

Programme Name:: Bachelor of Computer Applications (BCA)

SEMESTER – I

Course Code	Title of the Course
BCA 101	Introduction to 'C' Programming
BCA 102	Computer System Architecture
BCA 103	Mathematical Foundation of Computer Science
BCA 104	Communication Skills
BCA 105	Media and Information Literacy Communication

SEMESTER – II

Course Code	Title of the Course
BCA 201	Introduction to Data Structures
BCA 202	Data Communication and Computer Networks Basics
BCA 203	Fundamental Concepts of Operating Systems
BCA 204	Elementary Physics
*BCA ES	Environmental Sciences

SEMESTER – III

Course Code	Title of the Course
BCA 301	Introduction to Object Oriented Programming
BCA 302	Introduction to Database Management System
BCA 303	Discrete Structures
	Any one from elective PE-1

SEMESTER – IV

Course Code	Title of the Course
BCA 401	Fundamentals of Probability and Statistics
BCA 402	Introduction to Artificial Intelligence
	Any one from elective SEE – 1
	Any one from elective OE – 1

SEMESTER – V

Course Code	Title of the Course
BCA 501	Fundamentals of Software Engineering
	Any one from elective PE – 2
	Any one from elective SEE – 2
	Any one from elective OE – 2

ELECTIVE COURSES

Programme Elective (PE)

PE – 1	
BCA PE311	Introduction to Wireless Communication
BCA PE312	Introduction to Mobile Computing
BCA PE313	Web &E-Commerce Technologies
PE – 2	
BCA PE521	Introduction to Data Mining
BCA PE522	Introduction to Cloud Computing
BCA PE523	Introduction to Data Science and Big Data

Skill Enhancement Electives (SEE)

SEE – 1	
BCA SEE411	Internet and Web Technology
BCA SEE412	Programming in Visual Basic
BCA SEE413	Fundamental Concepts of Microprocessor and Arduino Programming

SEE – 2	
BCA SEE521	Introduction to Java Programming
BCA SEE522	Fundamentals of .Net Programming
BCA SEE523	PHP Programming

Open Electives (OE)

OE – 1	
BCA OE411	Organization Behavior
BCA OE412	Financial Accounting
BCA OE413	Cyber Crimes & Cyber Laws
OE – 2	
BCA OE511	Startup Entrepreneurship
BCA OE512	Concepts of E-Governance and Smart City
BCA OE513	Digital Marketing and E-Commerce