

BCA Subject Wise Assignments

Computer Fundamental & Office Automation

S.No	Assignment Topic
1	Features of Computer
2	Types of Computers
3	Memory Hierarchy
4	Input and Output Devices
5	Operating System Basics
6	MS Word Formatting
7	MS Excel Formulas
8	PowerPoint Presentation
9	Computer Generations
10	Computer Languages

Programming in C

S.No	Assignment Topic
1	Basic Structure of C Program
2	Operators in C
3	Control Statements
4	Arrays and Strings
5	Functions in C
6	Pointers
7	Structures and Unions
8	File Handling
9	Preprocessor Directives
10	Recursion Program

Introduction to Algorithm

S.No	Assignment Topic
1	Characteristics of Algorithm
2	Flowchart Design
3	Searching Algorithms
4	Sorting Algorithms
5	Greedy Method
6	Divide and Conquer
7	Graph Algorithms
8	Binary Search
9	Merge Sort
10	DFS and BFS

Operating System and Linux

S.No	Assignment Topic
1	Process Management
2	CPU Scheduling
3	Deadlock Handling
4	Memory Management
5	Virtual Memory
6	Linux Commands
7	Shell Basics
8	File System
9	Disk Scheduling
10	Linux File Permissions

Object Oriented Programming in C++

S.No	Assignment Topic
1	Classes and Objects
2	Constructors and Destructors
3	Inheritance
4	Polymorphism
5	Operator Overloading
6	Templates
7	Exception Handling
8	File Handling in C++
9	Virtual Functions
10	STL Basics

Database Management Systems

S.No	Assignment Topic
1	DBMS Architecture
2	ER Diagram
3	Normalization
4	SQL Queries
5	Transactions
6	Concurrency Control
7	Database Security
8	Distributed Database
9	Indexes
10	Backup and Recovery

Data Structures using C

S.No	Assignment Topic
1	Arrays
2	Linked List
3	Stacks
4	Queues
5	Trees
6	Binary Search Tree
7	Graphs
8	Searching Techniques
9	Sorting Techniques
10	Heap Tree

Artificial Intelligence

S.No	Assignment Topic
1	Introduction to AI
2	Problem Solving Techniques
3	A* Algorithm
4	Knowledge Representation
5	Expert Systems
6	Machine Learning Basics
7	Natural Language Processing
8	Neural Networks
9	AI Applications
10	Turing Test

Object Oriented Technology and Java

S.No	Assignment Topic
1	Java Basics
2	Inheritance in Java
3	Packages and Interfaces
4	Exception Handling
5	Multithreading
6	Java I/O Streams
7	Applet Programming
8	Servlet Basics
9	JDBC Connectivity
10	Swing GUI

Internet Concepts and Web Design

S.No	Assignment Topic
1	Internet Basics
2	HTML Tags
3	Forms in HTML
4	CSS Styling
5	JavaScript Basics
6	DOM Manipulation
7	XML Basics
8	AJAX Introduction
9	Responsive Web Design
10	Web Browser Working