

Session:2018-19(Even Semester)

Name: **Ms. Arti Sachdeva**
Class and Section: **Bca-IInd Semester**
Subject: **Advanced Programming in C**

Week	Date	Topic
1	1-Jan-19	Introduction to Strings
	2-Jan-19	Declaration and Initialization of string, String I/O
	3-Jan-19	Array of string
	4-Jan-19	String manipulation functions
	5-Jan-19	Revision
	6-Jan-19	Sunday
	2	7-Jan-19
8-Jan-19		Introduction to Structures
9-Jan-19		Declaration and initialization of structures
10-Jan-19		Structures within a Structures
11-Jan-19		Array of structures
12-Jan-19		Structures and functions
13-Jan-19		Sunday
3	14-Jan-19	Revision
	15-Jan-19	Revision
	16-Jan-19	Programs based on Strings and Structures
	17-Jan-19	Programs based on Strings and Structures
	18-Jan-19	Programs based on Strings and Structures
	19-Jan-19	Introduction to union

	20-Jan-19	Sunday
4	21-Jan-19	Union of Structures
	22-Jan-19	Typedef and Enumerations
	23-Jan-19	Programs based on Union
	24-Jan-19	Revision of Ist Unit
	25-Jan-19	Revision of Ist Unit
	26-Jan-19	Republic Day
	27-Jan-19	Sunday
5	28-Jan-19	Introduction to pointer
	29-Jan-19	Pointer variables and operators
	30-Jan-19	Pointer assignments and pointer conversions
	31-Jan-19	Pointer arithmetic and comparison

Week	Date	Topic
1	1-Feb-19	Revision
	2-Feb-19	Revision
	3-Feb-19	Sunday
2	4-Feb-19	Pointer and Array
	5-Feb-19	Pointer and Functions
	6-Feb-19	Pointer and Strings
	7-Feb-19	Pointer to pointer
	8-Feb-19	Dynamic allocation using pointers
	9-Feb-19	Programs based on pointer

	10-Feb-19	Vasant Panchami / Sunday/ Sir Chhotu Ram Jayanti
3	11-Feb-19	Programs based on pointer
	12-Feb-19	Programs based on pointer
	13-Feb-19	Revision of IInd Unit
	14-Feb-19	Revision of IInd Unit
	15-Feb-19	Revision of IInd Unit
	16-Feb-19	1st Assignment given
	17-Feb-19	Sunday
4	18-Feb-19	Introduction to files
	19-Feb-19	Guru Ravi Dass Birthday
	20-Feb-19	File types, operations
	21-Feb-19	Class test
	22-Feb-19	File I/O
	23-Feb-19	Structure Read and Write in a file
	24-Feb-19	Sunday
5	25-Feb-19	Revision
	26-Feb-19	Revision
	27-Feb-19	Revision
	28-Feb-19	Programs based on Files read and write

Week	Date	Topic
1	1-Mar-19	Programs based on Files read and write
	2-Mar-19	Programs based on Files read and write

	3-Mar-19	Sunday
2	4-Mar-19	Maha Shivratri
	5-Mar-19	Error handling
	6-Mar-19	Random access I/O in files
	7-Mar-19	Revision of III Unit
	8-Mar-19	Revision of III Unit
	9-Mar-19	Revision of III Unit
	10-Mar-19	Sunday
3	11-Mar-19	Class Test
	12-Mar-19	Introduction to Preprocessor
	13-Mar-19	Macro Versus Functions
	14-Mar-19	Macro Versus Functions
	15-Mar-19	Program based on Macro and Functions
	16-Mar-19	Program based on Macro and Functions
	17-Mar-19	Sunday
4	18-Mar-19	University Holidays
	19-Mar-19	University Holidays
	20-Mar-19	University Holidays
	21-Mar-19	University Holidays
	22-Mar-19	University Holidays
	23-Mar-19	University Holidays
	24-Mar-19	Sunday
5	25-Mar-19	Revision of Topics done

	26-Mar-19	Revision of Topics done
	27-Mar-19	Conditional Compilation
	28-Mar-19	Conditional Compilation
	29-Mar-19	Introduction to directives
	30-Mar-19	Introduction to directives
	31-Mar-19	Sunday

Week	Date	Topic
1	1-Apr-19	Defining a Macros
	2-Apr-19	Command line arguments
	3-Apr-19	Defining and using command line arguments
	4-Apr-19	Revision of IV Unit
	5-Apr-19	Revision of IV Unit
	6-Apr-19	Revision of IV Unit
	7-Apr-19	Sunday
2	8-Apr-19	Class Test
	9-Apr-19	Revision of Ist Unit
	10-Apr-19	Revision of Ist Unit
	11-Apr-19	Revision of Ist Unit
	12-Apr-19	Revision of IInd Unit
	13-Apr-19	Revision of IInd Unit
	14-Apr-19	Vaisakhi / Ambedkar Jyanti / Sunday
3	15-Apr-19	Revision of IInd Unit
	16-Apr-19	Programs based on Ist and IInd Unit

	17-Apr-19	Mahavir Jayanti
	18-Apr-19	Programs based on Ist and IInd Unit
	19-Apr-19	Revision of IIIrd Unit
	20-Apr-19	Revision of IIIrd Unit
	21-Apr-19	Sunday
4	22-Apr-19	Revision of IV Unit
	23-Apr-19	Revision of IV Unit
	24-Apr-19	Programs based on IIIrd and IVth Unit
	25-Apr-19	Programs based on IIIrd and IVth Unit
	26-Apr-19	Discussing previous years Question papers
	27-Apr-19	Discussing previous years Question papers
	28-Apr-19	Sunday
5	29-Apr-19	Discussing previous years Question papers
	30-Apr-19	Discussing previous years Question papers

Session: 2018-19(Even Semester)

Name: **Ms. Arti Sachdeva**

Class and Section: **Bca-II Semester**

Subject: **Logical Organization of Computer-II**

Week	Date	Topic
1	1-Jan-19	Sequential Logic: Characteristics, Flip-Flops
	2-Jan-19	Sequential Logic: Characteristics, Flip-Flops
	3-Jan-19	Types of Flip-Flops
	4-Jan-19	S-R Flip-Flop
	5-Jan-19	Clocked S-R Flip-Flop
	6-Jan-19	Sunday
	2	7-Jan-19
8-Jan-19		J-K Flip-Flop
9-Jan-19		D Flip-Flop and T Flip-Flop
10-Jan-19		Revision
11-Jan-19		Revision
12-Jan-19		Master Slave J-K Flip-Flop
13-Jan-19		Sunday
3	14-Jan-19	Master Slave J-K Flip-Flop
	15-Jan-19	State Table, State Diagrams
	16-Jan-19	Flip-Flop excitation tables
	17-Jan-19	Flip-Flop excitation tables
	18-Jan-19	Revision of Ist Unit
	19-Jan-19	Revision of Ist Unit

	20-Jan-19	Sunday
4	21-Jan-19	Class Test
	22-Jan-19	Introduction to Sequential circuits: Registers
	23-Jan-19	Serial Input Serial Output(SISO)
	24-Jan-19	Serial Input Parallel Output(SIPO)
	25-Jan-19	Revision
	26-Jan-19	Republic Day
	27-Jan-19	Sunday
5	28-Jan-19	Revision
	29-Jan-19	Parallel Input Parallel Output(PIPO)
	30-Jan-19	Parallel Input Serial Output(PISO)
	31-Jan-19	Revision

Week	Date	Topic
1	1-Feb-19	1 st Assignment given
	2-Feb-19	Shift Registers
	3-Feb-19	Sunday
2	4-Feb-19	Introduction to Counters
	5-Feb-19	Asynchronous Counters
	6-Feb-19	Synchronous Counters
	7-Feb-19	Binary Counters
	8-Feb-19	Revision
	9-Feb-19	Modulo-N Counters

	10-Feb-19	Vasant Panchami / Sunday/ Sir Chhotu Ram Jayanti
3	11-Feb-19	Modulo-N Counters
	12-Feb-19	Modulo-N Counters
	13-Feb-19	Up-down Counters
	14-Feb-19	Up-down Counters
	15-Feb-19	Revision of IInd Unit
	16-Feb-19	Revision of IInd Unit
	17-Feb-19	Sunday
4	18-Feb-19	Revision of IInd Unit
	19-Feb-19	Guru Ravi Dass Birthday
	20-Feb-19	Class Test
	21-Feb-19	Introduction to Computer Memory & I/O devices
	22-Feb-19	Memory parameters
	23-Feb-19	Difference between RAM and ROM
	24-Feb-19	Sunday
5	25-Feb-19	Types of RAM
	26-Feb-19	Types of RAM
	27-Feb-19	Types of ROM
	28-Feb-19	Types of ROM

Week	Date	Topic
1	1-Mar-19	Magnetic devices
	2-Mar-19	Optical storage devices

	3-Mar-19	Sunday
2	4-Mar-19	Maha Shivratri
	5-Mar-19	Revision
	6-Mar-19	Revision
	7-Mar-19	Flash Memory
	8-Mar-19	I/O devices and their controllers
	9-Mar-19	Revision of IIIrd Unit
	10-Mar-19	Sunday
3	11-Mar-19	Revision of IIIrd Unit
	12-Mar-19	Revision of IIIrd Unit
	13-Mar-19	Class Test
	14-Mar-19	2 nd Assignment given.
	15-Mar-19	Introduction to instruction design
	16-Mar-19	Introduction to I/O organization
	17-Mar-19	Sunday
4	18-Mar-19	University Holidays
	19-Mar-19	University Holidays
	20-Mar-19	University Holidays
	21-Mar-19	University Holidays
	22-Mar-19	University Holidays
	23-Mar-19	University Holidays
	24-Mar-19	Sunday
5	25-Mar-19	Revision of previous topics done

	26-Mar-19	Machine Instruction
	27-Mar-19	Instruction Set Selection
	28-Mar-19	Instruction Set Selection
	29-Mar-19	Instruction Cycle
	30-Mar-19	Instruction Cycle
	31-Mar-19	Sunday

Week	Date	Topic
1	1-Apr-19	Revision
	2-Apr-19	Revision
	3-Apr-19	Instruction Format
	4-Apr-19	Instruction Format
	5-Apr-19	Addressing Modes
	6-Apr-19	I/O Interface
	7-Apr-19	Sunday
2	8-Apr-19	Interrupt Structure
	9-Apr-19	Programmed Controlled
	10-Apr-19	Revision
	11-Apr-19	Interrupt Controlled
	12-Apr-19	DMA transfer
	13-Apr-19	I/O Channels
	14-Apr-19	Vaisakhi / Ambedkar Jyanti / Sunday
3	15-Apr-19	IOP
	16-Apr-19	Revision of IVth Unit

	17-Apr-19	Mahavir Jayanti
	18-Apr-19	Revision of IVth Unit
	19-Apr-19	Revision of IVth Unit
	20-Apr-19	Class Test
	21-Apr-19	Sunday
4	22-Apr-19	Revision of Ist Unit
	23-Apr-19	Revision of IInd Unit
	24-Apr-19	Revision of IIIrd Unit
	25-Apr-19	Revision of IVth Unit
	26-Apr-19	Discussing previous years Question papers
	27-Apr-19	Discussing previous years Question papers
	28-Apr-19	Sunday
5	29-Apr-19	Discussing previous years Question papers
	30-Apr-19	Discussing previous years Question papers

Session:2018-19(Even Semester)

Name: **Arti Sachdeva**
Class and Section: **BCA-IV Semester**
Subject: **Advanced Data Structure**

Week	Date	Topic
1	1-Jan-19	Introduction
	2-Jan-19	Definition of tree
	3-Jan-19	Representing Binary Tree in memory
	4-Jan-19	Introduction of traversing binary tree
	5-Jan-19	Examples of traversing binary tree
	6-Jan-19	Sunday
	2	7-Jan-19
8-Jan-19		In-Order Tree
9-Jan-19		Post Order Tree
10-Jan-19		Revision of the topics done
11-Jan-19		Revision of the topics done
12-Jan-19		Introduction of traversal Algorithms
13-Jan-19		Sunday
3	14-Jan-19	Example of Pre-Order Traversing Algorithm using Stack
	15-Jan-19	Pre-Order Traversing Algorithm using Stack
	16-Jan-19	Revision of Pre-Order algorithm
	17-Jan-19	Example of In-Order Traversing Algorithm using Stack
	18-Jan-19	In-Order Traversing Algorithm using Stack
	19-Jan-19	Revision of Pre-Order and In-Order algorithm

	20-Jan-19	Sunday
4	21-Jan-19	Example of Post-Order Traversing Algorithm using Stack
	22-Jan-19	Post -Order Traversing Algorithm using Stack
	23-Jan-19	Revision
	24-Jan-19	Revision
	25-Jan-19	Introduction of Binary Search Tree
	26-Jan-19	Republic Day
	27-Jan-19	Sunday
5	28-Jan-19	Definition of Binary search Tree, Storage of Binary Search Tree
	29-Jan-19	How to search an element in Binary Search Tree
	30-Jan-19	How to insert an element in Binary Search Tree
	31-Jan-19	How to Delete an element in Binary Search Tree

Week	Date	Topic
1	1-Feb-19	Revision
	2-Feb-19	Revision
	3-Feb-19	Sunday
2	4-Feb-19	Huffman's Algorithm
	5-Feb-19	General Trees
	6-Feb-19	Revision of Ist Unit
	7-Feb-19	Revision of Ist Unit
	8-Feb-19	Test of Ist unit
	9-Feb-19	1 st Assignment is given

	10-Feb-19	Vasant Panchami / Sunday/ Sir Chhotu Ram Jayanti
3	11-Feb-19	Introduction of Graph, Graph Theory Terminology
	12-Feb-19	Sequential and Linked Representation Of Graph
	13-Feb-19	Operations On Graphs introduction
	14-Feb-19	Operations On Graphs
	15-Feb-19	Traversal Algorithms in graphs and their implementation
	16-Feb-19	Traversal Algorithms in graphs and their implementation
	17-Feb-19	Sunday
4	18-Feb-19	Revision
	19-Feb-19	Guru Ravi Dass Birthday
	20-Feb-19	Revision
	21-Feb-19	Warshall's Algorithm for shortest path
	22-Feb-19	Warshall's Algorithm for shortest path
	23-Feb-19	Dijkstra Algorithm for shortest Path
	24-Feb-19	Sunday
5	25-Feb-19	Dijkstra Algorithm for shortest Path
	26-Feb-19	Revision of IInd Unit
	27-Feb-19	Revision of IInd Unit
	28-Feb-19	Class Test

Week	Date	Topic
1	1-Mar-19	Introduction of sorting Techniques
	2-Mar-19	Internal & External Sorting

	3-Mar-19	Sunday
2	4-Mar-19	Maha Shivratri
	5-Mar-19	Radix Sort Introduction
	6-Mar-19	Algorithm of Radix Sort
	7-Mar-19	Quick Sort Introduction
	8-Mar-19	Algorithm of Quick Sort
	9-Mar-19	Heap Sort Introduction
	10-Mar-19	Sunday
3	11-Mar-19	Algorithm of Heap Sort
	12-Mar-19	Revision
	13-Mar-19	2 nd Assignment given.
	14-Mar-19	Merge Sort Introduction
	15-Mar-19	Algorithm of Merge Sort
	16-Mar-19	Tournament Sort Introduction
	17-Mar-19	Sunday
4	18-Mar-19	University Holidays
	19-Mar-19	University Holidays
	20-Mar-19	University Holidays
	21-Mar-19	University Holidays
	22-Mar-19	University Holidays
	23-Mar-19	University Holidays
	24-Mar-19	Sunday
5	25-Mar-19	Algorithm of Tournament Sort

	26-Mar-19	Revision
	27-Mar-19	Introduction of Searching Algorithm
	28-Mar-19	Searching Algorithm: Linear Search
	29-Mar-19	Binary Search
	30-Mar-19	Comparison of various sorting & Searching algorithm on the basis of their complexity
	31-Mar-19	Sunday

Week	Date	Topic
1	1-Apr-19	Revision
	2-Apr-19	Revision
	3-Apr-19	Class test
	4-Apr-19	Introduction of Files
	5-Apr-19	Attributes of a file
	6-Apr-19	Classification of files
	7-Apr-19	Sunday
2	8-Apr-19	Classification of files
	9-Apr-19	Files Operations
	10-Apr-19	Files Operations
	11-Apr-19	Comparison of various types of Files
	12-Apr-19	Introduction of file organization
	13-Apr-19	Sequential File Organization
	14-Apr-19	Vaisakhi / Ambedkar Jyanti / Sunday
3	15-Apr-19	Indexed File Organization

	16-Apr-19	Random Access File Organization
	17-Apr-19	Mahavir Jayanti
	18-Apr-19	Introduction of Hashing
	19-Apr-19	Revision
	20-Apr-19	Revision
	21-Apr-19	Sunday
4	22-Apr-19	Collision Resolution
	23-Apr-19	Revision of complete syllabus
	24-Apr-19	Revision of complete syllabus
	25-Apr-19	Revision of complete syllabus
	26-Apr-19	Solve the question papers of KUK
	27-Apr-19	Solve the question papers of KUK
	28-Apr-19	Sunday
5	29-Apr-19	Solve the question papers of KUK
	30-Apr-19	Solve the question papers of KUK

Session:2018-19(Even Semester)

Name: **Arti Sachdeva**
Class and Section: **BCA-VI Semester**
Subject: **Advanced Operating System**

Week	Date	Topic
1	1-Jan-19	Critical Section Problem
	2-Jan-19	Single Process/Two Process Solutions
	3-Jan-19	Single Process/Two Process Solutions
	4-Jan-19	Revision
	5-Jan-19	Revision
	6-Jan-19	Sunday
	2	7-Jan-19
8-Jan-19		Semaphores – Implementation
9-Jan-19		Semaphores – Implementation
10-Jan-19		Deadlocks and Starvation
11-Jan-19		Revision
12-Jan-19		Classical Problems of Synchronization – The Bounded Buffer Problem
13-Jan-19		Sunday
3	14-Jan-19	The Readers and Writers Problem
	15-Jan-19	The Dining-Philosophers Problem
	16-Jan-19	Critical Regions, Monitors
	17-Jan-19	Revision
	18-Jan-19	Revision
	19-Jan-19	1 st Assignment is given.

	20-Jan-19	Sunday
4	21-Jan-19	Tree Structures, Acyclic Graph
	22-Jan-19	General Graph, Directory Implementation, Recovery
	23-Jan-19	Revision
	24-Jan-19	Revision
	25-Jan-19	Class Test
	26-Jan-19	Republic Day
	27-Jan-19	Sunday
5	28-Jan-19	Secondary Storage Structure: Disk Structure
	29-Jan-19	Disk Scheduling: FCFS,SSTF
	30-Jan-19	Disk Scheduling: SCAN, C-SCAN
	31-Jan-19	Disk Scheduling: LOOK

Week	Date	Topic
1	1-Feb-19	Revision
	2-Feb-19	Revision
	3-Feb-19	Sunday
2	4-Feb-19	Selection of Disk Scheduling Algorithm; Disk Management; Swap Space Management
	5-Feb-19	Network Operating Systems
	6-Feb-19	Remote Login, Remote File Transfer
	7-Feb-19	Distributed Operating System: Data Migration
	8-Feb-19	Computation Migration, Process Migration
	9-Feb-19	Revision

	10-Feb-19	Vasant Panchami / Sunday/ Sir Chhotu Ram Jayanti
3	11-Feb-19	Revision
	12-Feb-19	Linux File System: Types of Files in Linux
	13-Feb-19	File Attributes, Structure of File System, inode
	14-Feb-19	File Permission
	15-Feb-19	File System Components
	16-Feb-19	Revision
	17-Feb-19	Sunday
4	18-Feb-19	Revision
	19-Feb-19	Guru Ravi Dass Birthday
	20-Feb-19	Revision
	21-Feb-19	Standard File System
	22-Feb-19	File System Types
	23-Feb-19	Disk Related Commands
	24-Feb-19	Sunday
5	25-Feb-19	Disk Related Commands
	26-Feb-19	Class Test
	27-Feb-19	Class Test
	28-Feb-19	Processes in Linux: Introduction

Week	Date	Topic
1	1-Mar-19	Processes in Linux: Introduction
	2-Mar-19	2 nd Assignment is given.

	3-Mar-19	Sunday
2	4-Mar-19	Maha Shivratri
	5-Mar-19	Job Control in Linux using at, batch, corn & time commands
	6-Mar-19	Job Control in Linux using at, batch, corn & time commands
	7-Mar-19	Job Control in Linux using at, batch, corn & time commands
	8-Mar-19	The vi editor: Introduction
	9-Mar-19	Modes of vi Editor, Command in vi Editor
	10-Mar-19	Sunday
3	11-Mar-19	Modes of vi Editor, Command in vi Editor
	12-Mar-19	Revision
	13-Mar-19	Revision
	14-Mar-19	Shell Programming: Introduction
	15-Mar-19	Shell Programming: Introduction
	16-Mar-19	Class test
	17-Mar-19	Sunday
4	18-Mar-19	University Holidays
	19-Mar-19	University Holidays
	20-Mar-19	University Holidays
	21-Mar-19	University Holidays
	22-Mar-19	University Holidays
	23-Mar-19	University Holidays
	24-Mar-19	Sunday
5	25-Mar-19	Shell Variables, Shell Keywords

	26-Mar-19	Shell Variables, Shell Keywords
	27-Mar-19	Operators
	28-Mar-19	Assigning Values to the Variables
	29-Mar-19	I/O in Shell
	30-Mar-19	Programs based on above topics
	31-Mar-19	Sunday

Week	Date	Topic
1	1-Apr-19	Programs based on above topics
	2-Apr-19	Revision.
	3-Apr-19	Revision
	4-Apr-19	Control Structures
	5-Apr-19	Control Structures
	6-Apr-19	Control Structures
	7-Apr-19	Sunday
2	8-Apr-19	Creating & Executing Shell Programs in Linux
	9-Apr-19	Creating & Executing Shell Programs in Linux
	10-Apr-19	Creating & Executing Shell Programs in Linux
	11-Apr-19	Revision of 1 st unit
	12-Apr-19	Revision of 1 st unit
	13-Apr-19	Revision of 2 nd Unit
	14-Apr-19	Vaisakhi / Ambedkar Jyanti / Sunday
3	15-Apr-19	Revision of 2 nd Unit
	16-Apr-19	Revision of 3 rd Unit

	17-Apr-19	Mahavir Jayanti
	18-Apr-19	Revision of 3 rd Unit
	19-Apr-19	Revision of 3 rd Unit
	20-Apr-19	Revision of 3 rd Unit
	21-Apr-19	Sunday
4	22-Apr-19	Revision of 4 th Unit
	23-Apr-19	Revision of 4 th Unit
	24-Apr-19	Revision of entire syllabus
	25-Apr-19	Revision of entire syllabus
	26-Apr-19	Revision of Previous years Question papers
	27-Apr-19	Revision of Previous years Question papers
	28-Apr-19	Sunday
5	29-Apr-19	Revision of Previous years Question papers
	30-Apr-19	Revision of Previous years Question papers