

LESSON PLAN

2017-2018

BCA-2nd Sem

Subject : BCA – 121 Advanced Programming in C

Name of Assistant Prof : Ms Sonia Sharma

January, Week 1	
Chapter 1: Strings in 'C'	
Day 1	Introduction
	Declaration and initialization of string
Day 2	String I/O
Day 3	String I/O
Day 4	Class Test
Day 5	Array of strings
Day 6	Array of strings
January, Week 2	
Day 1	String manipulation functions
Day 2	Class Test
Chapter 2 : Structure and Union	
Day 3	Introduction
	Features of structures
Day 4	Declaration and initialization of structures
Day 5	Structure within structure
Day 6	Class Test
January, Week 3	
Day 1	Array of structures
Day 2	Structure and functions
Day 3	Class Test
Day 4	Union: Introduction
Day 5	Union of structures
Day 6	Typedef
January, Week 4	
Day 1	Enumerations
Day 2	Class Test
Day 3	Holiday
Chapter 3 : Pointers	
Day 4	Introduction
	Pointer variables
Day 5	Republic Day
Day 6	Activity
January, Week 5	
Day 1	Pointer operators
Day 2	Class Test
Day 3	Pointer conversions
	Pointer arithmetic

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February ,Week 1	
Chapter 3 : Pointers	
Day 1	Pointer arithmetic
Day 2	Pointer comparison
Day 3	Class Test
February ,Week 2	
Day 1	Pointers and arrays
Day 2	Pointers and arrays
Day 3	Class Test
Day 4	Pointers and functions
Day 5	Pointers and functions
Day 6	Holiday
February ,Week 3	
February ,Week 3	
Day 1	Pointer to pointer
Day 2	Holiday
Day 3	Pointer to pointer
Day 4	Class Test
Day 5	dynamic allocation using pointers
Day 6	dynamic allocation using pointers
Chapter 4 : File	
February ,Week 4	
Day 1	Class Test
Day 2	Introduction
Day 3	File types
Day 4	File operations
Day 5	File operations
Day 6	Class Test
February ,Week 5	
Day 1	File I/O
Day 2	File I/O,
Day 3	Holiday
March ,Week 1	
Day 1	Holiday
Day 2	Holiday
Day 3	Holiday
Day 4	Holiday
Day 5	Structure Read and write in a file
Day 6	Structure Read and write in a file

March ,Week 2	
Day 1	Class Test
Day 2	Errors in file handling
Day 3	Random-access I/O in files
Chapter 5 : Preprocessor	
Day 4	Introduction
Day 5	#define
Day 6	macros
March ,Week 3	
Day 1	macro versus functions
Day 2	Class Test
Day 3	#include
Day 4	Conditional compilation directives
Day 5	undefining a macro
Day 6	Class Test
March ,Week 4	
Command line arguments	
Day 1	defining and using command line arguments
Day 2	Class Activity
Day 3	Revision
Day 4	Class test
Day 5	Revision
Day 6	Class test
Day 1	

BCA Sem-2 Paper-122(Session 2017-18)

January 2018 Logical Organization of Computer II

Name : Ms Sheetal

Week 1

Day 1	01.01.2018	Sequential Logic: Definition, Characteristics
Day 2	02.01.2018	Flip-flops: S-R flip flop
Day 3	03.01.2018	Clocked S-R Flip flop
Day 4	04.01.2018	JK flip flop
Day 5	05.01.2018	Holiday
Day 6	06.01.2018	Doubts

Week 2

Day 1	08.01.2018	D and T type flip flop
Day 2	09.01.2018	Master slave flip flops
Day 3	10.01.2018	State table
Day 4	11.01.2018	State diagram and State equations
Day 5	12.01.2018	Flip flop excitation tables
Day 6	13.01.2018	Doubts (Complete Unit I)

Week 3

Day 1	15.01.2018	Test
Day 2	16.01.2018	Ppt presentation
Day 3	17.01.2018	Sequential Circuits and designing process
Day 4	18.01.2018	Serial Input Serial Output (SISO), Serial Input Parallel Output (SIPO)
Day 5	19.01.2018	Parallel Input Serial Output (PISO), Parallel Input Parallel Output (PIPO)
Day 6	20.01.2018	Shift Registers

Week 4

Day 1	22.01.2018	Holiday
Day 2	23.01.2018	Doubts

Day 3	24.01.2018	Group Discussion
Day 4	25.01.2018	Designing Counters- Asynchronous and Synchronous Counters
Day 5	26.01.2018	Holiday
Day 6	27.01.2018	Test

Week 5

Day 1	29.01.2018	Modulo-N Counters
Day 2	30.01.2018	Up-down Counters
Day 3	31.01.2018	Holiday

February 2018

Week 1

Day 1	01.02.2018	Doubts (Complete Unit-II)
Day 2	02.02.2018	PPT Presentation
Day 3	03.02.2018	Conditional Test

Week 2

Day 1	05.02.2018	Memory and its characteristics
Day 2	06.02.2018	Memory hierarchy
Day 3	07.02.2018	Primary and Secondary memory
Day 4	08.02.2018	Doubts
Day 5	09.02.2018	Types of memory
Day 6	10.02.2018	Holiday

Week 3

Day 1	12.02.2018	Holiday
Day 2	13.02.2018	Holiday
Day 3	14.02.2018	Test
Day 4	15.02.2018	RAM and its types
Day 5	16.02.2018	ROM and its types
Day 6	17.02.2018	Magnetic and optical storage devices

Week 4

Day 1	19.02.2018	Doubts
Day 2	20.02.2018	PPT presentation
Day 3	21.02.2018	Flash memory
Day 4	22.02.2018	Input devices

Day 5	23.02.2018	Output devices
Day 6	24.02.2018	I/O devices and their controllers

Week 5

Day 1	26.02.2018	Doubts (Complete Unit-III)
Day 2	27.02.2018	Quiz
Day 3	28.02.2018	Holidays (28 to 04.03.2018)

March 2018

Week 1

Day 1	05.03.2018	Doubts
Day 2	06.03.2018	Conditional test
Day 3	07.03.2018	Cross words
Day 4	08.03.2018	Instruction Design
Day 5	09.03.2018	I/O Organization
Day 6	10.03.2018	Doubts

Week 2

Day 1	12.03.2018	Machine Instruction
Day 2	13.03.2018	Instruction Set Selection
Day 3	14.03.2018	Instruction Cycle
Day 4	15.03.2018	Group discussion
Day 5	16.03.2018	Doubts
Day 6	17.03.2018	Instruction Format

Week 3

Day 1	19.03.2018	Quiz
Day 2	20.03.2018	Addressing Modes
Day 3	21.03.2018	I/O Interface
Day 4	22.03.2018	Interrupt Structure
Day 5	23.03.2018	Holiday (Shahidi Divas)
Day 6	24.03.2018	Doubts

Week 4

Day 1	26.03.2018	Doubts
Day 2	27.03.2018	Program Controlled
Day 3	28.03.2018	Interrupt Controlled
Day 4	29.03.2018	Holiday (Mahaveer Jayanti)
Day 5	30.03.2018	Test
Day 6	31.03.2018	PPT Presentation

April 2018

Week 1

Day 1	02.04.2018	DMA transfer
Day 2	03.04.2018	I/O Channels
Day 3	04.04.2018	IOP.
Day 4	05.04.2018	Doubts (Complete Unit-IV)
Day 5	06.04.2018	Doubts
Day 6	07.04.2018	PPT Presentation

Week 2

Day 1	09.04.2018	Doubts
Day 2	10.04.2018	Doubts
Day 3	11.04.2018	Test
Day 4	12.04.2018	Test
Day 5	13.04.2018	Quiz
Day 6	14.04.2018	Holiday (Baisakhi)

BCA Sem-2 Paper-124(Session 2017-18)

Office Automation Tools

Name : Ms.Tanu

January 2018

Week 1

Day 1	01.01.2018	Desktop Publishing: Concept, Need and Applications
Day 2	02.01.2018	Hardware and Software requirements for DTP
Day 3	03.01.2018	An Overview and comparison between DTP packages
Day 4	04.01.2018	Introduction to Page Maker: Features
Day 5	05.01.2018	Holiday
Day 6	06.01.2018	Doubts

Week 2

Day 1	08.01.2018	Test
Day 2	09.01.2018	System Requirements
Day 3	10.01.2018	System Requirements
Day 4	11.01.2018	Components of Page Maker
Day 5	12.01.2018	Doubts
Day 6	13.01.2018	Components of Page Maker Window

Week 3

Day 1	15.01.2018	Introduction to Menu and Toolbars
Day 2	16.01.2018	PageMaker Preferences
Day 3	17.01.2018	Doubts
Day 4	18.01.2018	Creating of Publications: Starting PageMaker
Day 5	19.01.2018	Setting Page size
Day 6	20.01.2018	Placing the text Formatting the text

Week 4

Day 1	22.01.2018	Holiday
Day 2	23.01.2018	Doubts
Day 3	24.01.2018	Character Specification Paragraph setting
Day 4	25.01.2018	Paragraph Specification
Day 5	26.01.2018	Holiday
Day 6	27.01.2018	CROSSWORD

Week 5

Day 1	29.01.2018	Paragraph Rules
Day 2	30.01.2018	Spacing, Indents/Tabs, Define Styles
Day 3	31.01.2018	Holiday

February 2018

Week 1

Day 1	01.02.2018	Hyphenation
Day 2	02.02.2018	Doubts
Day 3	03.02.2018	Conditional Test

Week 2

Day 1	05.02.2018	Header & Footer
Day 2	06.02.2018	Page Numbering
Day 3	07.02.2018	Doubts
Day 4	08.02.2018	Saving and Closing publication
Day 5	09.02.2018	Editing Publication: Open a publication
Day 6	10.02.2018	Holiday

Week 3

Day 1	12.02.2018	Holiday
Day 2	13.02.2018	Holiday
Day 3	14.02.2018	Story editor
Day 4	15.02.2018	Find and change the text
Day 5	16.02.2018	Change character and Paragraph attributes
Day 6	17.02.2018	spell checking

Week 4

Day 1	19.02.2018	Selecting text, Cut, Copy, Paste, Paste multiple
Day 2	20.02.2018	Working with columns
Day 3	21.02.2018	Doubts
Day 4	22.02.2018	Word Processing: Introduction to Office Automation, Creating & Editing Document
Day 5	23.02.2018	Formatting Document
Day 6	24.02.2018	Auto-text, Autocorrect

Week 5

Day 1	26.02.2018	Spelling and Grammar Tool
Day 2	27.02.2018	Document Dictionary
Day 3	28.02.2018	Holidays (28 to 04.03.2018)

March 2018

Week 1

Day 1	05.03.2018	test
Day 2	06.03.2018	Page Formatting
Day 3	07.03.2018	Bookmark
Day 4	08.03.2018	Advance Features of Word-Mail Merge
Day 5	09.03.2018	CONDITIONAL TEST
Day 6	10.03.2018	Tables

Week 2

Day 1	12.03.2018	File Management
Day 2	13.03.2018	Printing, Styles
Day 3	14.03.2018	Styles
Day 4	15.03.2018	linking and embedding object.
Day 5	16.03.2018	Presentation using PowerPoint
Day 6	17.03.2018	Presentations, Creating

Week 3

Day 1	19.03.2018	Manipulating & Enhancing Slides
Day 2	20.03.2018	Excel Charts Organizational Charts,
Day 3	21.03.2018	Excel Charts Word Art
Day 4	22.03.2018	Layering art Objects
Day 5	23.03.2018	Holiday (ShahidiDiwas)
Day 6	24.03.2018	Doubts

Week 4

Day 1	26.03.2018	Layering art Objects Animations and Sounds
Day 2	27.03.2018	Inserting Animated Pictures or Accessing through Object
Day 3	28.03.2018	Inserting Animated Pictures or Accessing through Object
Day 4	29.03.2018	Holiday (MahaveerJayanti)
Day 5	30.03.2018	Test
Day 6	31.03.2018	Test

April 2018

Week 1

Day 1	02.04.2018	Inserting Recorded
Day 2	03.04.2018	Sound Effect
Day 3	04.04.2018	In-Built Sound Effect.
Day 4	05.04.2018	Animations and Sounds
Day 5	06.04.2018	Doubts
Day 6	07.04.2018	Doubts

Week 2

Day 1	09.04.2018	QUIZ
Day 2	10.04.2018	TEST
Day 3	11.04.2018	Macros
Day 4	12.04.2018	Macros
Day 5	13.04.2018	.TEST
Day 6	14.04.2018	Holiday (Baisakhi)

BCA Sem-2 Paper-125(Session 2017-18)

Structured System Analysis and Design

Ms.Swati

January 2018

Week 1

Day 1	01.01.2018	System Concept: Definition, Characteristics,
Day 2	02.01.2018	Elements of system, Physical and abstract system,
Day 3	03.01.2018	Open and closed system, man-made information systems.
Day 4	04.01.2018	System Development Life Cycle
Day 5	05.01.2018	Holiday
Day 6	06.01.2018	Doubts

Week 2

Day 1	08.01.2018	Various phases of system development,
Day 2	09.01.2018	Considerations for system planning
Day 3	10.01.2018	Control for system success.
Day 4	11.01.2018	Role of system analyst-I
Day 5	12.01.2018	Doubts
Day 6	13.01.2018	Role of system analyst-ii

Week 3

Day 1	15.01.2018	Test
Day 2	16.01.2018	Ppt presentation
Day 3	17.01.2018	System Planning
Day 4	18.01.2018	Bases for planning in system analysis
Day 5	19.01.2018	Cross word
Day 6	20.01.2018	Dimensions of Planning.

Week 4

Day 1	22.01.2018	Holiday
Day 2	23.01.2018	Doubts
Day 3	24.01.2018	Group Discussion
Day 4	25.01.2018	Initial Investigation
Day 5	26.01.2018	Holiday
Day 6	27.01.2018	Test

Week 5

Day 1	29.01.2018	Determining user's requirements and analysis-i
Day 2	30.01.2018	Determining user's requirements and analysis-ii
Day 3	31.01.2018	Holiday

February 2018

Week 1

Day 1	01.02.2018	Fact finding process and techniques.
Day 2	02.02.2018	Tools of structured Analysis
Day 3	03.02.2018	Conditional Test

Week 2

Day 1	05.02.2018	Data Flow diagram, data dictionary
Day 2	06.02.2018	IPO and HIPO charts, Gantt charts
Day 3	07.02.2018	IPO and HIPO charts, Gantt charts
Day 4	08.02.2018	Doubts
Day 5	09.02.2018	pseudo codes, Flow charts
Day 6	10.02.2018	Holiday

Week 3

Day 1	12.02.2018	Holiday
Day 2	13.02.2018	Holiday
Day 3	14.02.2018	Test
Day 4	15.02.2018	Decision tree, decision tables.
Day 5	16.02.2018	Feasibility study: Technical, Operational & Economic Feasibilities.
Day 6	17.02.2018	Feasibility study: Technical, Operational & Economic Feasibilities.

Week 4

Day 1	19.02.2018	Ppt presentation
Day 2	20.02.2018	Cost/Benefit Analysis:
Day 3	21.02.2018	Data analysis cost and benefits analysis of a system.
Day 4	22.02.2018	Data analysis cost and benefits analysis of a system.
Day 5	23.02.2018	Input/ Output and Form Design
Day 6	24.02.2018	File Organization and database design

Week 5

Day 1	26.02.2018	Introduction to files and database
Day 2	27.02.2018	Quiz
Day 3	28.02.2018	Holidays (28 to 04.03.2018)

March 2018

Week 1

Day 1	05.03.2018	doubts
Day 2	06.03.2018	Conditional test
Day 3	07.03.2018	Cross words
Day 4	08.03.2018	File structures and organization
Day 5	09.03.2018	objectives of database design
Day 6	10.03.2018	Logical and physical view of data.

Week 2

Day 1	12.03.2018	System testing
Day 2	13.03.2018	Introduction, objectives of testing
Day 3	14.03.2018	Test planning,
Day 4	15.03.2018	Group discussion
Day 5	16.03.2018	doubts
Day 6	17.03.2018	Testing techniques.

Week 3

Day 1	19.03.2018	Quiz
Day 2	20.03.2018	Quality assurance
Day 3	21.03.2018	Goal of quality assurance
Day 4	22.03.2018	levels of quality assurance
Day 5	23.03.2018	Holiday (Shahidi Divas)
Day 6	24.03.2018	Doubts

Week 4

Day 1	26.03.2018	doubts
Day 2	27.03.2018	System implementation and software maintenance
Day 3	28.03.2018	System implementation and software maintenance
Day 4	29.03.2018	Holiday (Mahaveer Jayanti)
Day 5	30.03.2018	test
Day 6	31.03.2018	primary activities in maintenance,

April 2018

Week 1

Day 1	02.04.2018	primary activities in maintenance,
Day 2	03.04.2018	Reducing maintenance costs.
Day 3	04.04.2018	Reducing maintenance costs.
Day 4	05.04.2018	Doubts
Day 5	06.04.2018	Doubts
Day 6	07.04.2018	Ppt presentation

Week 2

Day 1	09.04.2018	Doubts
Day 2	10.04.2018	Doubts
Day 3	11.04.2018	Test
Day 4	12.04.2018	Test
Day 5	13.04.2018	Quiz
Day 6	14.04.2018	Holiday (Baisakhi)