

I.B. (PG) COLLEGE, PANIPAT

LESSON PLAN

SESSION 2022-23 (01.02.2023 to 16.05.2023)

Weekly Lesson Plan Even Semester)

UG (II - Semester)

Name of the Paper:- Advanced Programming in C Class: BCA Sec. A

Name of the Teachers (Section Wise) : Prof.Vinay Bharti

WEEK	DATE	TOPICS
1	February (1-4)	
SUNDAY - 05.02.2023 Holiday (Guru Ravidass Jayanti)		
2	February (6-11)	
		Strings in 'C': Introduction
		Declaration and initialization of string
		String I/O
		Array of strings, String manipulation functions
SUNDAY - 12.02.2023		
3	February (13-17)	
		Revised
		String length, copy, compare, concatenate, search for a substring
HOLIDAY - 18.02.2023 (Maha Shivratri)		
SUNDAY - 19.02.2023		
4	February (20-25)	
		Structure and Union
		Introduction, Features of structures
		Declaration and initialization of structures, Structure within structure
SUNDAY - 26.02.2023		
5	February (27-28) March (1-4)	
		Array of structures, Structure and functions. Union: Introduction
		Union of structures
		Typedef, Enumerations
SUNDAY - 05.03.2023		
Holi Vacations - 05.03.2023 to 12.03.2023		
7	March (13-18)	
		Pointers: Introduction, Pointer variables, Pointer operators
		Revised
		Pointer assignment, Pointer conversions
SUNDAY - 19.03.2023		

8	March (20-25)	
		Pointer arithmetic, Pointer comparison
		Pointers and arrays, Pointers and functions
		Pointers and strings, Pointer to pointer
SUNDAY - 26.03.2023		
HOLIDAY 23.03.2023 Shaheedi Diwas		
9	March (27-31) April (1)	
		dynamic allocation using pointers
		Revised
		Files: Introduction, File types
HOLIDAY - 30.03.2023 (Ram Navmi)		
SUNDAY - 02.04.2023		
9	April (3-8)	
		File operations
		File I/O
		Structure Read and write in a file
HOLIDAY - 04.04.2023 (Mahavir Jayanti)		
SUNDAY - 09.04.2023		
10	April (10-15)	
		Errors in file handling
		Random-access I/O in files
SUNDAY - 16.04.2023		
HOLIDAY - 14.04.2023 (DR.B.R.Ambedkar Jayanti)		
11	April (17-21)	
		Revised
		Preprocessor
SUNDAY - 23.04.2023		
Holiday Id-UI-Fitr/Parshuram Jayanti (Saturday)		
12	April (24-29)	
		Introduction, #define, macros, macro versus functions, #include
		Revised
SUNDAY - 30.04.2023		
13	May (1-6)	
		Conditional compilation directives undefining a macro
		Revised
SUNDAY - 07.05.2023		
14	May (8-13)	
		Command line arguments: defining Revised
		Revised
SUNDAY - 14.05.2023		
14	May (15-16)	using command line arguments
		Revised
Examination 17.05.2023 Onwards.		

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LESSON PLAN

SESSION 2022-23 (01.02.2023 to 16.05.2023)

Weekly Lesson Plan Even Semester)

UG (II - Semester)

Name of the Paper:- Advanced Programming in C Class: BCA Sec. B

Name of the Teachers (Section Wise) : Prof.Vinay Bharti

WEEK	DATE	TOPICS
1	February (1-4)	
		Strings in 'C': Introduction
SUNDAY - 05.02.2023 Holiday (Guru Ravidass Jayanti)		
2	February (6-11)	
		Declaration and initialization of string String I/O
		Array of strings, String manipulation functions
SUNDAY - 12.02.2023		
3	February (13-17)	
		Revised
		String length, copy, compare, concatenate, search for a substring
HOLIDAY - 18.02.2023 (Maha Shivratri)		
SUNDAY - 19.02.2023		
4	February (20-25)	
		Structure and Union Introduction, Features of structures
		Declaration and initialization of structures, Structure within structure
SUNDAY - 26.02.2023		
5	February (27-28) March (1-4)	
		Array of structures, Structure and functions. Union: Introduction Union of structures
		Typedef, Enumerations
SUNDAY - 05.03.2023		
Holi Vacations - 05.03.2023 to 12.03.2023		
7	March (13-18)	
		Pointers: Introduction, Pointer variables, Pointer operators Revised
		Pointer assignment, Pointer conversions
SUNDAY - 19.03.2023		

8	March (20-25)	
		Pointer arithmetic, Pointer comparison
		Pointers and arrays, Pointers and functions
		Pointers and strings, Pointer to pointer
SUNDAY - 26.03.2023		
HOLIDAY 23.03.2023 Shaheedi Diwas		
9	March (27-31) April (1)	
		dynamic allocation using pointers
		Revised
		Files: Introduction, File types
HOLIDAY - 30.03.2023 (Ram Navmi)		
SUNDAY - 02.04.2023		
9	April (3-8)	
		File operations
		File I/O
		Structure Read and write in a file
HOLIDAY - 04.04.2023 (Mahavir Jayanti)		
SUNDAY - 09.04.2023		
10	April (10-15)	
		Errors in file handling
		Random-access I/O in files
SUNDAY - 16.04.2023		
HOLIDAY - 14.04.2023 (DR.B.R.Ambedkar Jayanti)		
11	April (17-21)	
		Revised
		Preprocessor
SUNDAY - 23.04.2023		
Holiday Id-UI-Fitr/Parshuram Jayanti (Saturday)		
12	April (24-29)	
		Introduction, #define, macros, macro versus functions, #include
		Revised
SUNDAY - 30.04.2023		
13	May (1-6)	
		Conditional compilation directives undefining a macro
		Revised
SUNDAY - 07.05.2023		
14	May (8-13)	
		Command line arguments: defining Revised
		Revised
SUNDAY - 14.05.2023		
14	May (15-16)	using command line arguments
		Revised
Examination 17.05.2023 Onwards.		

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LESSON PLAN

SESSION 2022-23 (01.02.2023 to 16.05.2023)

Weekly Lesson Plan Even Semester)

UG (II / IV / VI - Semester) : II Semester

Name of the Paper:- Logical Organization of Computers-II Class: BCA-I

Name of the Teachers (Section Wise) : Aswhani Gupta

WEEK	DATE	TOPICS
1	February (1-4)	Memory Parameters, Semiconductor RAM, ROM
		Magnetic and Optical
		Storage devices, Flash memory
		I/O Devices and their controllers.
SUNDAY - 05.02.2023 Holiday (Guru Ravidass Jayanti)		
2	February (6-11)	Memory Parameters, Semiconductor RAM, ROM
		Magnetic and Optical
		Storage devices, Flash memory
		I/O Devices and their controllers.
		Types of I/O Devices
		Types of Memory
SUNDAY - 12.02.2023		
3	February (13-17)	Sequential Logic: Characteristics, Flip-Flops, Clocked RS
HOLIDAY - 18.02.2023 (Maha Shivratri)		
SUNDAY - 19.02.2023		
4	February (20-25)	D type, JK, T type and Master-Slave flipflops.
SUNDAY - 26.02.2023		
5	February (27-28) March (1-4)	D type, JK, T type and Master-Slave flipflops.
SUNDAY - 05.03.2023		
Holi Vacations - 05.03.2023 to 12.03.2023		
7	March (13-18)	
		State table, state diagram and state equations.
		Flip-flop excitation tables
SUNDAY - 19.03.2023		

8	March (20-25)	Sequential Circuits: Designing registers – Serial Input Serial Output (SISO), Serial Input Parallel
		Output (SIPO), Parallel Input Serial Output (PISO), Parallel Input Parallel Output (PIPO) and shift registers
SUNDAY - 26.03.2023		
HOLIDAY 23.03.2023 Shaheedi Diwas		
9	March (27-31) April (1)	Designing counters – Asynchronous and Synchronous Binary Counters, Modulo-N
		Counters and Up-Down Counters
HOLIDAY - 30.03.2023 (Ram Navmi)		
SUNDAY - 02.04.2023		
9	April (3-8)	Machine instruction, Instruction set selection, Instruction cycle
		Machine instruction, Instruction set selection, Instruction cycle
HOLIDAY - 04.04.2023 (Mahavir Jayanti)		
SUNDAY - 09.04.2023		
10	April (10-15)	Instruction Format and Addressing Modes. I/O Interface, Interrupt structure
SUNDAY - 16.04.2023		
HOLIDAY - 14.04.2023 (DR.B.R.Ambedkar Jayanti)		
11	April (17-21)	Program-Controlled, Interrupt-controlled & DMA transfer, I/O Channels, IOP.
		Program-Controlled, Interrupt-controlled & DMA transfer, I/O Channels, IOP.
SUNDAY - 23.04.2023		
Holiday Id-UI-Fitr/Parshuram Jayanti (Saturday)		
12	April (24-29)	Revision Unit -I
SUNDAY - 30.04.2023		
13	May (1-6)	Revision Unit II
SUNDAY - 07.05.2023		
14	May (8-13)	Revision Unit -III & IV
SUNDAY - 14.05.2023		
14	May (15-16)	Unit Test
Examination 17.05.2023 Onwards.		

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LESSON PLAN

SESSION 2022-23 (01.02.2023 to 16.05.2023)

Weekly Lesson Plan Even Semester)

UG (II - Semester)

Name of the Paper ELEMENTS OF MATHEMATICAL FOUNDATION

Class: BCA

Name of the Teachers (Section Wise) : BHAWNA

WEEK	DATE	TOPICS
1	February (1-4)	logical statement and truth tables, symbolic notation of statement
		logical connectives
		conjunction and example
		disjunction , negation, questions
SUNDAY - 05.02.2023 Holiday (Guru Ravidass Jayanti)		
2	February (6-11)	conditional statement
		biconditional statement and example
		tautologies and questions
		laws of logic
		revision
		principle of mathematical induction
SUNDAY - 12.02.2023		
3	February (13-17)	example
		questions
		revision
		test
		groups , algebraic structure, semigroup
HOLIDAY - 18.02.2023 (Maha Shivratri)		
SUNDAY - 19.02.2023		
4	February (20-25)	subgroup of a group
		theorem
		intersection of subgroup and example
		cosets, normal subgroup, quotient group
		homomorphism and isomorphism
		example
SUNDAY - 26.02.2023		
5	February (27-28)	example
		revision
		test
	March (1-4)	rings and its types
		example
		integral domain and example
		characteristics of a ring and subring
SUNDAY - 05.03.2023		
Holi Vacations - 05.03.2023 to 12.03.2023		
7	March (13-18)	ideals and its examples
		principal ideal and questions
		nilpotent and nil ideals
		questions
		revision
		test
SUNDAY - 19.03.2023		

8	March (20-25)	matrices and its types
		example
		multiplication of matrices
		questions and determinants
		adjoint and inverse of a matrix
SUNDAY - 26.03.2023		
HOLIDAY 23.03.2023 Shaheedi Diwas		
9	March (27-31) April (1)	hermitian and skew hermitian matrix
		definition of rank of a matrix and questions
		elementary operation
		example
		questions
HOLIDAY - 30.03.2023 (Ram Navmi)		
SUNDAY - 02.04.2023		
9	April (3-8)	row rank and column rank of a matrix
		canonical form
		rank of the product of two matrices
		example and questions
		inverse of a matrix and its questions
HOLIDAY - 04.04.2023 (Mahavir Jayanti)		
SUNDAY - 09.04.2023		
10	April (10-15)	revision
		example
		example
		questions
		revision
SUNDAY - 16.04.2023		
HOLIDAY - 14.04.2023 (DR.B.R.Ambedkar Jayanti)		
11	April (17-21)	system of linear homogeneous equation using rank of a matrix
		example
		example
		questions
		revision
SUNDAY - 23.04.2023		
Holiday Id-UI-Fitr/Parshuram Jayanti (Saturday)		
12	April (24-29)	definition of characteristics matrix
		example
		characteristics vector
		theorem
		example
scalar polynomial and matric polynomial		
SUNDAY - 30.04.2023		
13	May (1-6)	cayley Hamilton theorem
		diagonalization of a square matrix
		example
		example
		questions
scalar matric polynomial		
SUNDAY - 07.05.2023		
14	May (8-13)	theorem
		example
		example
		questions
		revision
		test
SUNDAY - 14.05.2023		
14	May (15-16)	revision
		revision
Examination 17.05.2023 Onwards.		

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LESSON PLAN

SESSION 2022-23 (01.02.2023 to 16.05.2023)

Weekly Lesson Plan Even Semester)

UG (II / IV / VI - Semester) 2ND

Name of the Paper:- OFFICE AUTOMATION

Class: BCA I- 2ND SEM (CS)

Name of the Teachers (Section Wise) : PROF. NEETU/PRO. MOHIT

WEEK	DATE	TOPICS
1	February (1-4)	
		Desktop Publishing: Concept, Need and Applications;
SUNDAY - 05.02.2023 Holiday (Guru Ravidass Jayanti)		
2	February (6-11)	
		Hardware and Software requirements for DTP, An Overview and comparison between DTP packages, Common features of DTP.
SUNDAY - 12.02.2023		
3	February (13-17)	
		Introduction to Page Maker: Features, System Requirements,
HOLIDAY - 18.02.2023 (Maha Shivratri)		
SUNDAY - 19.02.2023		
4	February (20-25)	
		Components of Page Maker Window, Introduction to Menu and Toolbars, PageMaker Preferences
SUNDAY - 26.02.2023		
5	February (27-28) March (1-4)	
		Creating of Publications: Starting PageMaker, Setting Page size, Placing the text Formatting the text: Character Specification Paragraph setting: Paragraph Specification,
SUNDAY - 05.03.2023		
Holi Vacations - 05.03.2023 to 12.03.2023		
7	March (13-18)	
		Paragraph Rules, Spacing, Indents/Tabs, Define Styles, Hyphenation, Header & Footer, Page Numbering, Saving and Closing publication. Editing Publication: Open a publication ,
SUNDAY - 19.03.2023		

8	March (20-25)	
		Story editor, Find and change the text, Change character and Paragraph attributes ,
		spell checking ,Selecting text, Cut, Copy, Paste, Paste multiple,
SUNDAY - 26.03.2023		
HOLIDAY 23.03.2023 Shaheedi Diwas		
9	March (27-31) April (1)	
		Working with columns
		ASSIGNMENT - 1
Word Processing: Introduction to Office Automation,		
HOLIDAY - 30.03.2023 (Ram Navmi)		
SUNDAY - 02.04.2023		
9	April (3-8)	
		Creating & Editing Document,
		Formatting Document, Auto-text, Autocorrect, Spelling and Grammar Tool, Document Dictionary,
HOLIDAY - 04.04.2023 (Mahavir Jayanti)		
SUNDAY - 09.04.2023		
10	April (10-15)	
		Page Formatting, Bookmark,
		Advance Features of Word-Mail Merge, Macros, Tables,
SUNDAY - 16.04.2023		
HOLIDAY - 14.04.2023 (DR.B.R.Ambedkar Jayanti)		
11	April (17-21)	
		File Management, Printing, Styles, linking and embedding object.
		Presentation using PowerPoint: Presentations,
SUNDAY - 23.04.2023		
Holiday Id-Ul-Fitr/Parshuram Jayanti (Saturday)		
12	April (24-29)	
		CONDITIONAL TEST
		Creating, Manipulating & Enhancing Slides, Organizational Charts, Excel Charts, Word Art,
SUNDAY - 30.04.2023		
13	May (1-6)	
		Layering art Objects, Animations and Sounds,
		Directory Systems: Structured Organizations, ASSIGNMENT - 2
SUNDAY - 07.05.2023		
14	May (8-13)	
		Inserting Animated Pictures or Accessing through Object, Inserting Recorded Sound Effect or In-Built Sound Effect.
		Queries on Problem
SUNDAY - 14.05.2023		
14	May (15-16)	Queries on Problem
		Queries on Problem
Examination 17.05.2023 Onwards.		

I.B. (PG) COLLEGE, PANIPAT

LESSON PLAN

SESSION 2022-23 (01.02.2023 to 16.05.2023)

Weekly Lesson Plan Even Semester)

UG (II / IV / VI - Semester) II

Name of the Paper:- Structure system design analysis

Class: B.C.A

Name of the Teachers (Section Wise) : Milan Sharma (A)

WEEK	DATE	TOPICS
1	February (1-4)	
		System Concept: Definition, Characteristics, Elements of system,
SUNDAY - 05.02.2023 Holiday (Guru Ravidass Jayanti)		
2	February (6-11)	Physical and abstract system
		open and closed system, man-made information systems.
		System Development Life Cycle: Various phases of system development
SUNDAY - 12.02.2023		
3	February (13-17)	Considerations for system planning and control for system success
		Role of system analyst
		System Planning: Bases for planning in system analysis
HOLIDAY - 18.02.2023 (Maha Shivratri)		
SUNDAY - 19.02.2023		
4	February (20-25)	Dimensions of Planning.
		Initial Investigation: Determining user's requirements and analysis,
		fact finding process and techniques.
SUNDAY - 26.02.2023		
5	February (27-28) March (1-4)	Tools of structured Analysis: Data Flow diagram, data dictionary,
		IPO and HIPO charts,
SUNDAY - 05.03.2023		
Holi Vacations - 05.03.2023 to 12.03.2023		
7	March (13-18)	Gantt charts
		pseudo codes
		Flow charts
SUNDAY - 19.03.2023		

8	March (20-25)	decision tree,
		decision tables
		ASSIGNMENT 1
SUNDAY - 26.03.2023		
HOLIDAY 23.03.2023 Shaheedi Diwas		
9	March (27-31) April (1)	Feasibility study: Technical, Operational & Economic Feasibilities.
		Cost/Benefit Analysis
HOLIDAY - 30.03.2023 (Ram Navmi)		
SUNDAY - 02.04.2023		
9	April (3-8)	Data analysis cost and benefit analysis of a system.
		Input/ Output and Form Design
HOLIDAY - 04.04.2023 (Mahavir Jayanti)		
SUNDAY - 09.04.2023		
10	April (10-15)	Introduction to files and database
		CONDITIONAL
		File structures and organization,
SUNDAY - 16.04.2023		
HOLIDAY - 14.04.2023 (DR.B.R.Ambedkar Jayanti)		
11	April (17-21)	objectives of database design
		logical and physical view of data.
		ASSIGNMENT
SUNDAY - 23.04.2023		
Holiday Id-UI-Fitr/Parshuram Jayanti (Saturday)		
12	April (24-29)	System testing: Introduction
		objectives of testing
		test planning, testing techniques
SUNDAY - 30.04.2023		
13	May (1-6)	Quality assurance: Goal of quality assurance
		levels of quality assurance
		System implementation and software maintenance
SUNDAY - 07.05.2023		
14	May (8-13)	primary activities in maintenance
		reducing maintenance costs.
SUNDAY - 14.05.2023		
14	May (15-16)	REVISION
		REVISION
Examination 17.05.2023 Onwards.		

I.B. (PG) COLLEGE, PANIPAT

LESSON PLAN

SESSION 2022-23 (01.02.2023 to 16.05.2023)

Weekly Lesson Plan Even Semester)

UG (II / IV / VI - Semester) 2nd sem

Name of the Paper:- Personality Development

Class: BCA 1st

Name of the Teachers (Section Wise) : Prof Rekha Prof Sonal

WEEK	DATE	TOPICS
1	February (1-4)	Discuss syllabus
		Discuss personality
		Discuss chapter 1
		full text
SUNDAY - 05.02.2023 Holiday (Guru Ravidass Jayanti)		
2	February (6-11)	full text
		full text
		full text
		short que ans
		Long que ans
		Long que ans
SUNDAY - 12.02.2023		
3	February (13-17)	Discuss chapter 2
		Full text
		full text
		full text
		short que ans
HOLIDAY - 18.02.2023 (Maha Shivratri)		
SUNDAY - 19.02.2023		
4	February (20-25)	Long que ans
		problems
		Test
		discuss both chapters
		Test
		discuss chapter 3
SUNDAY - 26.02.2023		
5	February (27-28) March (1-4)	full text
		full text
		full text
		full text
		short que ans
		Long que ans
SUNDAY - 05.03.2023		
Holi Vacations - 05.03.2023 to 12.03.2023		
7	March (13-18)	Long que ans
		chapter 4
		full text
		short que ans
		Long que ans
		chapter 5
SUNDAY - 19.03.2023		
8	March (20-25)	full text
		full text
		short que ans
		Long que ans
		assignments

SUNDAY - 26.03.2023		
HOLIDAY 23.03.2023 Shaheedi Diwas		
9	March (27-31) April (1)	chapter 6
		full text
		full text
		short que ans
		Long que ans
HOLIDAY - 30.03.2023 (Ram Navmi)		
SUNDAY - 02.04.2023		
9	April (3-8)	chapter 7
		full text
		chapter 8
		full text
		short que ans of both chapter
HOLIDAY - 04.04.2023 (Mahavir Jayanti)		
SUNDAY - 09.04.2023		
10	April (10-15)	Long que ans of both chapter
		class test
		chapter 9 full text
		full text
		chapter10
SUNDAY - 16.04.2023		
HOLIDAY - 14.04.2023 (DR.B.R.Ambedkar Jayanti)		
11	April (17-21)	full text
		full text
		full text
		short que ans of both chapter
		Long que ans of both chapter
SUNDAY - 23.04.2023		
Holiday Id-UI-Fitr/Parshuram Jayanti (Saturday)		
12	April (24-29)	class test
		Problems
		chapter 11
		full text
		full text
		short que ans
SUNDAY - 30.04.2023		
13	May (1-6)	Long que ans
		problems
		chpater 12
		full text
		full text
		full text
SUNDAY - 07.05.2023		
14	May (8-13)	Job application
		Job application
		Resume writting
		Resume writting
		practice
		practice
SUNDAY - 14.05.2023		
14	May (15-16)	problems
		problems
Examination 17.05.2023 Onwards.		