

I.B. (PG) COLLEGE, PANIPAT

LESSON PLAN

SESSION 2024-25 (01.08.2024 to 22.11.2024)

Weekly Lesson Plan (Odd Semester)

UG (1st Semester) Section A & B

Name of the Paper:- Logical Organization of Computer Class: BCA-I

Name of the Teachers (Section Wise) : Ashwani Gupta

WEEK	DATE	TOPICS
1	August (1-3)	Information Representation: Number Systems
		Information Representation: Number Systems
		Information Representation: Number Systems
SUNDAY - 04.08.2024		
2	August (5-10)	Information Representation: Number Systems
		Information Representation: Number Systems
		07.08.2024 - TEEJ
		Information Representation: Number Systems
		Information Representation: Number Systems
SUNDAY - 11.08.2024		
3	August (12-17)	Information Representation: Number Systems
		Information Representation: Number Systems
		Information Representation: Number Systems
		15.08.2024 - INDEPENDENCE DAY
		Binary Arithmetic
SUNDAY - 18.08.2024		
4	August (19-24)	19.08.2024 - RAKSHABANDHAN
		Binary Arithmetic
		Binary Arithmetic
		Binary Arithmetic
		Binary Arithmetic
SUNDAY - 25.08.2024		
5	August (26-31)	26.08.2024 - JANAMASHTMI
		Fixed-point and Floatingpoint representation of numbers
		Fixed-point and Floatingpoint representation of numbers
		Fixed-point and Floatingpoint representation of numbers
		BCD Codes, Error detecting and correcting codes
SUNDAY - 01.09.2024		

6	September (2-7)	Character Representation – ASCII, EBCDIC
		Character Representation – ASCII, EBCDIC
		Character Representation – ASCII, EBCDIC
		Digital Logic: Basic Gates – AND, OR, NOT,
		Digital Logic: Basic Gates – AND, OR, NOT,
Universal Gates – NAND, NOR		
SUNDAY - 08.09.2024		
7	September (9-14)	Universal Gates – NAND, NOR
		XOR, XNOR etc. implementations of digital circuits,
		XOR, XNOR etc. implementations of digital circuits,
		Combinational Logic –
		Characteristics, Design Procedures, analysis procedures
Characteristics, Design Procedures, analysis procedures		
SUNDAY - 15.09.2024		
8	September (16-21)	Binary Logic: Boolean Algebra, Boolean Theorems
		Binary Logic: Boolean Algebra, Boolean Theorems
		Boolean Functions and Truth Tables,
		Canonical and Standard forms of Boolean functions,
		Boolean Functions and Truth Tables,
Canonical and Standard forms of Boolean functions,		
SUNDAY - 22.09.2024		
HOLIDAY 23.09.2024 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
9	September (24-28)	Venn Diagram, Karnaugh Maps.
		Venn Diagram, Karnaugh Maps.
		Venn Diagram, Karnaugh Maps.
SUNDAY - 29.09.2024		
10	September (30) October (1, 4-5)	Combinational Circuits: Half-Adder, Full-Adder,
		Half-Subtractor, Full-Subtractor
		02.10.2024 - MAHATMA GANDHI JAYANTI
		03.10.2024 - (MAHARAJA AGRASEN JAYANTI)
		Combinational Circuits: Half-Adder, Full-Adder,
Half-Subtractor, Full-Subtractor		
SUNDAY - 06.10.2024		

11	October 11)	(7-	Decoders, Multiplexers, Demultiplexers
			Comparators, Code Converters.
			Decoders, Multiplexers, Demultiplexers
			Comparators, Code Converters.
			Revision
HOLIDAY 12.10.2024 - (DUSSEHRA)			
SUNDAY - 13.10.2024			
12	October (14-19)		Sequential Circuits: Basic Flip-Flops and their working.
			Synchronous and Asynchronous Flip-Flops, Triggering of FlipFlops
			Synchronous and Asynchronous Flip-Flops, Triggering of FlipFlops
			17.10.2024 - MAHARISHI VALMIKI JAYANTI/MAHARAJA AJMIDH JAYANTI
			Synchronous and Asynchronous Flip-Flops, Triggering of FlipFlops
			Synchronous and Asynchronous Flip-Flops, Triggering of FlipFlops
SUNDAY - 20.10.2024			
13	October (21-26)		Clocked RS, D Type, JK, T type, and Master-Slave Flip-Flops.
			Clocked RS, D Type, JK, T type, and Master-Slave Flip-Flops.
			Clocked RS, D Type, JK, T type, and Master-Slave Flip-Flops.
			Clocked RS, D Type, JK, T type, and Master-Slave Flip-Flops.
			Clocked RS, D Type, JK, T type, and Master-Slave Flip-Flops.
			Clocked RS, D Type, JK, T type, and Master-Slave Flip-Flops.
DIWALI BREAK - 27.10.2024 - 03.11.2024			
14	November 9)	(4-	State Table, State Diagram, and State Equations.
			State Table, State Diagram, and State Equations.
			State Table, State Diagram, and State Equations.
			State Table, State Diagram, and State Equations.
			State Table, State Diagram, and State Equations.
			State Table, State Diagram, and State Equations.
SUNDAY - 10.11.2024			
15	November (11-16)		Flip-flops characteristics & Excitation Tables.
			Flip-flops characteristics & Excitation Tables.
			Flip-flops characteristics & Excitation Tables.
			Flip-flops characteristics & Excitation Tables.
			15.11.2024 - GURU NANAK DEV JAYANTI
			Flip-flops characteristics & Excitation Tables.
SUNDAY - 17.11.2024			
16	November (18-22)		Sequential Circuits: Designing registers
			Serial-In Parallel-Out (SIPO), Parallel-In Serial-Out (PISO)
			Parallel-In Parallel-Out (PIPO) and shift registers
			Revision
			Revision
23.11.2024 - Examinations			

I.B. (PG) COLLEGE, PANIPAT

LESSON PLAN

SESSION 2024-25 (01.08.2024 to 22.11.2024)

Weekly Lesson Plan (Odd Semester)

UG (1st / III / V - Semester) Ist

Name of the Paper:- fundamental of computer Class:B.C.A.(B)

Name of the Teachers (Section Wise) : Ms.Milan Sharma

WEEK	DATE	TOPICS
1	August (1-3)	Computer Fundamentals: Evolution of Computers through generations
		Characteristics of Computers,
		Strengths and Limitations of Computers, Classification of Computers
SUNDAY - 04.08.2024		
2	August (5-10)	
		07.08.2024 - TEEJ
		Strengths and Limitations of Computers,
		Classification of Computers
SUNDAY - 11.08.2024		
3	August (12-17)	
		15.08.2024 - INDEPENDENCE DAY
		Applications of computers in Various Fields.
		Types of Software: System software, Application software, Utility Software.
SUNDAY - 18.08.2024		
4	August (19-24)	19.08.2024 - RAKSHABANDHAN
		Memory Systems: Concept of bit, byte, word, nibble, storage locations and addresses, measuring units of storage capacity, access time, concept of memory hierarchy.
		Memory Systems: Concept of bit, byte, word, nibble, storage locations and addresses, measuring units of storage capacity, access time, concept of memory hierarchy.
SUNDAY - 25.08.2024		
5	August (26-31)	26.08.2024 - JANAMASHTMI
		Secondary Memory - Types of storage devices, Magnetic Tape, Hard Disk, Optical Disk, Flash Memory.
		Secondary Memory - Types of storage devices, Magnetic Tape, Hard Disk, Optical Disk, Flash Memory.
SUNDAY - 01.09.2024		
SUNDAY - 01.09.2024		

6	September	(2-7)	
			Input Devices: classification and use, keyboard, pointing devices - mouse, touch pad and track ball, joystick, magnetic stripes, scanner, digital camera, and microphone
			Output Devices: speaker, monitor, printers: classification, laser, ink jet, dot-matrix. Plotter.
			07.09.2024 - GANESH CHATURTHI
SUNDAY - 08.09.2024			
7	September	(9-14)	
			Introduction to Operating System: Definition, Functions, Features of Operating System, Icon, Folder, File, Start Button, Task Bar,
			Introduction to Operating System: Definition, Functions, Features of Operating System, Icon, Folder, File, Start Button, Task Bar, Status Buttons, Folders, Shortcuts, Recycle Bin, Desktop, My Computer, My Documents, Windows Explorer, Control Panel.
SUNDAY - 15.09.2024			
8	September	(16-21)	
			Status Buttons, Folders, Shortcuts, Recycle Bin, Desktop, My Computer, My Documents, Windows Explorer, Control Panel.
			ASSIGNMENT 1
			The Internet: Introduction to networks and internet, history, Internet, Working of the Internet, Modes of Connecting to Internet.
SUNDAY - 22.09.2024			
HOLIDAY 23.09.2024 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY			
9	September	(24-28)	
			The Internet: Introduction to networks and internet, history, Internet, Working of the Internet, Modes of Connecting to Internet.
			Electronic Mail: Introduction, advantages and disadvantages, User Ids, Passwords, e-mail addresses, message components, message composition, mailer features. Browsers and search engines
SUNDAY - 29.09.2024			
10	September (30) October (1, 4-5)		
			02.10.2024 - MAHATMA GANDHI JAYANTI
			03.10.2024 - (MAHARAJA AGRASEN JAYANTI)
			TEST
			Threats: Physical & non-physical threats, Virus
SUNDAY - 06.10.2024			

11	October	(7-11)	
			Worm, Trojan, Spyware, Keyloggers,
			Rootkits, Adware, Cookies, Phishing, Hacking, Cracking
HOLIDAY 12.10.2024 - (DUSSEHRA)			
SUNDAY - 13.10.2024			
12	October	(14-19)	
			17.10.2024 - MAHARISHI VALMIKI JAYANTI/MAHARAJA AJMIDH JAYANTI
			Computer Security Fundamentals: Confidentiality, Integrity, Authentication,
SUNDAY - 20.10.2024			
13	October	(21-26)	
			Non-Repudiation, Security Mechanisms Security Awareness,
			ASSIGNMENT 2
DIWALI BREAK - 27.10.2024 - 03.11.2024			
14	November	(4-9)	
			07.11.2024 - CHHAT PUJA
			anti-virus software & Firewalls, backup & recovery.
SUNDAY - 10.11.2024			
15	November	(11-16)	
			backup & recovery. 15.11.2024 - GURU NANAK DEV JAYANTI
			TEST
SUNDAY - 17.11.2024			
16	November	(18-22)	
			REVISION
			REVISION
23.11.2024 - Examinations			

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LESSON PLAN

SESSION 2024-25 (01.08.2024 to 22.11.2024)

Weekly Lesson Plan (Odd Semester)

UG (1st / III / V - Semester) Ist

Name of the Paper:- fundamental of computer Class:B.C.A.(B)

Name of the Teachers (Section Wise) : Ms.Milan Sharma

WEEK	DATE	TOPICS
1	August (1-3)	Multimedia: Basic Concept, Definition
		Components & Applications of Multimedia;
		Hypermedia and Multimedia; Multimedia Hardware and Software;
SUNDAY - 04.08.2024		
2	August (5-10)	
		07.08.2024 - TEEJ
		Multimedia Software Tools;
		Presentation Tools;
Multimedia Authoring: Introduction, Features,		
SUNDAY - 11.08.2024		
3	August (12-17)	
		15.08.2024 - INDEPENDENCE DAY
		Types of Authoring Tools: Card or Page-Based, Icon- Based, Time-Based, Object-Oriented;
		VRML: History, Features
SUNDAY - 18.08.2024		
4	August (19-24)	19.08.2024 - RAKSHABANDHAN
		Images: Graphics/Image Data Types,
		File Formats; Color Models in Images and Video;
Video: Introduction, Types of Video Signals		
SUNDAY - 25.08.2024		
5	August (26-31)	26.08.2024 - JANAMASHTMI
		Analog and Digital Video
		Analog Video Standards: NTSC, PAL, SECA;
Digital Video Standards: Chroma Subsampling, CCIR Standards, HDTV		
SUNDAY - 01.09.2024		

6	September	(2-7)	
			Digital Audio: Basic Concepts, Analog vs. Digital Audio,
			07.09.2024 - GANESH CHATURTHI
			SUNDAY - 08.09.2024
7	September	(9-14)	
			Digitization of Sound; Digital Audio File Formats Digitization of Sound; Digital Audio File Formats
			MIDI
			SUNDAY - 15.09.2024
8	September	(16-21)	
			Quantization and Transmission of Audio: Coding of Audio; ASSIGNMENT 1
			Pulse Code Modulation; Differential Coding of Audio
			SUNDAY - 22.09.2024
HOLIDAY 23.09.2024 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY			
9	September	(24-28)	
			Lossless Predictive Coding; DPCM; DM; ADPCM
			Lossless Predictive Coding; DPCM; DM; ADPCM
			Compression Techniques: Introduction
			SUNDAY - 29.09.2024
10	September (30) October (1, 4-5))		
			02.10.2024 - MAHATMA GANDHI JAYANTI
			03.10.2024 - (MAHARAJA AGRASEN JAYANTI)
			TEST
			Types of Data Compression,
			SUNDAY - 06.10.2024

11	October	(7-11)	
			Run-Length Coding, Variable- Length Coding,
			Dictionary-Based Coding, Transform Coding
HOLIDAY 12.10.2024 - (DUSSEHRA)			
SUNDAY - 13.10.2024			
12	October	(14-19)	
			17.10.2024 - MAHARISHI VALMIKI JAYANTI/MAHARAJA AJMIDH JAYANTI
			Image and Video Compression Techniques JPEG Standard for Image Compression;
SUNDAY - 20.10.2024			
13	October	(21-26)	
			JPEG Standard for Image Compression; JPEG Mode
			ASSIGNMENT 2
DIWALI BREAK - 27.10.2024 - 03.11.2024			
14	November	(4-9)	
			07.11.2024 - CHHAT PUJA
			Video Compression Techniques: H.261, H.263, MPEG
SUNDAY - 10.11.2024			
15	November	(11-16)	
			H.261, H.263, MPEG 15.11.2024 - GURU NANAK DEV JAYANTI
			TEST
SUNDAY - 17.11.2024			
16	November	(18-22)	
			REVISION
			REVISION
			REVISION
23.11.2024 - Examinations			

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SESSION 2024-25 (01.08.2024 to 22.11.2024)

Weekly Lesson Plan (Odd Semester)

UG (1st / III / V - Semester) IST

Name of

the Paper:- C Programming BCA-IST

Name of the Teachers (Section Wise) : Neeru(A,B)

WEEK	DATE	TOPICS
1	August (1-3)	
SUNDAY - 04.08.2024		
2	August (5-10)	Introduction to C: Data Types: Primitive Data types,
		User-Defined Data Types; Operators: Different Types of
		07.08.2024 - TEEJ
SUNDAY - 11.08.2024		
3	August (12-17)	Expression and Statements;
		Token: Variables, Constants, Literals, Identifiers,
		Types of Conversion: Typecasting, Conversion.
		15.08.2024 - INDEPENDENCE DAY
SUNDAY - 18.08.2024		
4	August (19-24)	19.08.2024 - RAKSHABANDHAN
		Decision Control Statements: IF, IF-ELSE, Nested IF,
		Decision Control Statements: IF, IF-ELSE, Nested IF, IF-
		Iterative statements: FOR loop, WHILE loop, DO-WHILE
SUNDAY - 25.08.2024		
5	August (26-31)	26.08.2024 - JANAMASHTMI
		Iterative statements: FOR loop, WHILE loop, DO-WHILE
		Jump Statements: Break, Continue.
SUNDAY - 01.09.2024		

6	September (2-7)	Array: Declaration of an Array,
SUNDAY - 08.09.2024		
7	September (9-14)	Initialization of Array, Type of Array: Single Dimension
		Two-Dimensional Array.
		Address Calculation of an Element in Array.
SUNDAY - 15.09.2024		
8	September (16-21)	Assignment-1
		Character Array and Strings: Reading, writing,
		String Handling
SUNDAY - 22.09.2024		
HOLIDAY 23.09.2024 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
9	September (24-28)	Functions: strcat(), strcmp(), strcpy(), strlen().
		Test-1
		Functions: User-Defined Functions;
SUNDAY - 29.09.2024		
10	September (30) October (1, 4-5)	Function Declaration;
		02.10.2024 - MAHATMA GANDHI JAYANTI
		03.10.2024 - (MAHARAJA AGRASEN JAYANTI)
SUNDAY - 06.10.2024		
11	October (7-11)	Formal Arguments;
		Function.
HOLIDAY 12.10.2024 - (DUSSEHRA)		
SUNDAY - 13.10.2024		

12	October (14-19)	Definition; Methods to Call a Function: Call by Value, Call by reference.
		17.10.2024 - MAHARISHI VALMIKI JAYANTI/MAHARAJA
SUNDAY - 20.10.2024		
13	October (21-26)	Passing Arrays as Parameters. Storage classes: Automatic, Register, Static, and External.
DIWALI BREAK - 27.10.2024 - 03.11.2024		
14	November (4-9)	Assignment-2 Structures; Unions; Enumerations. Revision
SUNDAY - 10.11.2024		
15	November (11-16)	Revision Test-2 Revision
		15.11.2024 - GURU NANAK DEV JAYANTI
SUNDAY - 17.11.2024		
16	November (18-22)	Revision Revision Revision
23.11.2024 - Examinations		

I.B. (PG) COLLEGE, PANIPAT

LESSON PLAN

SESSION 2024-25 (01.08.2024 to 22.11.2024)

Weekly Lesson Plan (Odd Semester) UG (1st / III / V - Semester)

Name of the Paper:- fundamental of computer Class:B.A I(C)+ E(H)+BBA

Name of the Teachers (Section Wise) : Ms. Pooja Sharma

WEEK	DATE	TOPICS
1	August (1-3)	Computer Fundamentals: Evolution of Computers
		Characteristics of Computers,
		Lab
SUNDAY - 04.08.2024		
2	August (5-10)	
		07.08.2024 - TEEJ
		Strengths and Limitations of Computers, Classification
		Functional Components of a Computer System, Lab
SUNDAY - 11.08.2024		
3	August (12-17)	
		Applications of computers in Various Fields.
		15.08.2024 - INDEPENDENCE DAY
		Types of Software: System software, Application LAB
SUNDAY - 18.08.2024		
4	August (19-24)	19.08.2024 - RAKSHABANDHAN
		Memory Systems: Concept of bit, byte, word, nibble, Memory Systems: Concept of bit, byte, word, nibble, Primary Memory - RAM, ROM, PROM, EPROM.
		LAB
SUNDAY - 25.08.2024		
5	August (26-31)	26.08.2024 - JANAMASHTMI
		TEST
		Secondary Memory - Types of storage devices, Magnetic I/O Devices: I/O Ports of a Desk Top Computer, Device
		LAB
SUNDAY - 01.09.2024		

6	September	(2-7)	
			Input Devices: classification and use, keyboard, Input Devices: classification and use, keyboard, Output Devices: speaker, monitor, printers:
			07.09.2024 - GANESH CHATURTHI
SUNDAY - 08.09.2024			
7	September	(9-14)	
			Introduction to Operating System: Definition, Introduction to Operating System: Definition, Status Buttons, Folders, Shortcuts, Recycle Bin, LAB
SUNDAY - 15.09.2024			
8	September	(16-21)	
			Status Buttons, Folders, Shortcuts, Recycle Bin, ASSIGNMENT 1 The Internet: Introduction to networks and internet, LAB
SUNDAY - 22.09.2024			
HOLIDAY 23.09.2024 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY			
9	September	(24-28)	
			The Internet: Introduction to networks and internet, Electronic Mail: Introduction, advantages and message components, message composition, mailer LAB
SUNDAY - 29.09.2024			
10	September (30) October	(1, 4-5))	
			02.10.2024 - MAHATMA GANDHI JAYANTI 03.10.2024 - (MAHARAJA AGRASEN JAYANTI) Operating System: • Starting with basics of Operating LAB
SUNDAY - 06.10.2024			
11	October	(7-11)	
			TEST
			• Identify the various computer hardware • Understanding the working of computer • Understanding various types of software
HOLIDAY 12.10.2024 - (DUSSEHRA)			
SUNDAY - 13.10.2024			

12	October	(14-19)	
			Internet and E-mail: • Using Internet for various tasks
			17.10.2024 - MAHARISHI VALMIKI
			Internet and E-mail: • Using Internet for various tasks
			LAB
SUNDAY - 20.10.2024			
13	October	(21-26)	
			Internet and E-mail: • Using Internet for various tasks
			• Creating and using e-mail.
			• Creating and using e-mail.
			LAB
DIWALI BREAK - 27.10.2024 - 03.11.2024			
14	November	(4-9)	
			ASSIGNMENT 2
			07.11.2024 - CHHAT PUJA
			TEST
			LAB
SUNDAY - 10.11.2024			
15	November	(11-16)	
			REVISION
			TEST
			15.11.2024 - GURU NANAK DEV JAYANTI
			LAB
SUNDAY - 17.11.2024			
16	November	(18-22)	
			REVISION
			REVISION
			LAB
23.11.2024 - Examinations			

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LESSON PLAN

SESSION 2024-25 (01.08.2024 to 22.11.2024)

Weekly Lesson Plan (Odd Semester)

UG (1st / III / V - Semester)

Name of the Paper:- Problem Solving through C Class: BCA 1st Sem Section A& B Name of the Teachers (Section Wise) : Vinay Bharti

WEEK	DATE	TOPICS
1	August (1-3)	Introduction of c programming
		History
		important , Structure of c program
SUNDAY - 04.08.2024		
2	August	character set
		constants and variables
		07.08.2024 - TEEJ
		identifiers and keywords
		assignment statement, symbolic constant
input function viz. scanf(),getch()		
SUNDAY - 11.08.2024		
3	August	getche(),getchr(),gets()
		output functions viz. printf(),putch()
		putchar(),puts()
		15.08.2024 - INDEPENDENCE DAY
SUNDAY - 18.08.2024		
4	August	19.08.2024 - RAKSHABANDHAN
		Operators & Expression : Arithmetic
		Relational,logical,Bitwise
		Unary,Assignment ,Conditional operator,operator
SUNDAY - 25.08.2024		
5	August	26.08.2024 - JANAMASHTMI
		Type casting and conversion
		Decision making with if statement,if-else statement
		goto statement,loopingstatement : for ,while
SUNDAY - 01.09.2024		

6	September	do-while loop ,jumps in loops
		Array:one dimensional array-declaration,initialization
		Two -dimensionalarray -decalration ,initialization,
SUNDAY - 08.09.2024		
7	September	Function:definition , prototype,function call,
		passing argument toa function
		call by value
SUNDAY - 15.09.2024		
8	September	call by reference,
		recursive functions
		String: Decalration and initialization , string I/O,
SUNDAY - 22.09.2024		
HOLIDAY 23.09.2024 - SHAHEEDI		
9	September	copy, compare, Concatenation etc.
		Search for a substring
		Revised
SUNDAY - 29.09.2024		
10	September (30)	Revised
		02.10.2024 - MAHATMA GANDHI JAYANTI
		03.10.2024 - (MAHARAJA AGRASEN JAYANTI)
		test
SUNDAY - 06.10.2024		
11		
		value of variables using pointers
		Pointer and array
HOLIDAY 12.10.2024 - (DUSSEHRA)		
SUNDAY - 13.10.2024		

12	October	Revised
		User defined data types :Structure -Defination
		Advantages of Structure ,Declartion structure variable
		17.10.2024 - MAHARISHI VALMIKI JAYANTI/MAHARAJA
SUNDAY - 20.10.2024		
13	October (21-26)	accessing structure members,structure variable
		union- union definition,difference between structure
WALI BREAK - 27.10.2024 - 03.11.2024		
14	November	
		Revised
		Revised
		Revised
SUNDAY - 10.11.2024		
15		
		Revised
		Revised
		Revised
		15.11.2024 - GURU NANAK DEV JAYANTI
SUNDAY - 17.11.2024		
16	November	
		Revised
		Revised
		Revised
23.11.2024 - Examinations		