

I.B. (PG) COLLEGE, PANIPAT

LESSON PLAN

SESSION 2019-20

Name of Teacher: CHARU MUKHIJA **LESSON PLAN: 19 WEEKS (JULY – NOV)**

WEEK **DATE** **CLASS: BCA 2nd** **Subject: COMP. ARCHITECTURE**

1	16-Jul-19	HAWAN & INAUGURATION SESSION 2019-20
	17-Jul-19	TIME-TABLE DISPLAY & DISCUSSION
	18-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (SCIENCE)
	19-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (COMMERCE)
	20-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (ARTS)
	21-Jul-19	SUNDAY
2	22-Jul-19	Introduction and Basic Computer
	23-Jul-19	Instruction codes: Instruction format, stored program, addressing modes
	24-Jul-19	Basic Computer registers, Common bus system
	25-Jul-19	
	26-Jul-19	
	27-Jul-19	
	28-Jul-19	SUNDAY
3	29-Jul-19	Computer Instructions
	30-Jul-19	Timing and control
	31-Jul-19	SHAHEED UDHAM SINGH MARTYRDOM DAY
	1-Aug-19	
	2-Aug-19	
	3-Aug-19	HARIYALI TEEJ
	4-Aug-19	SUNDAY
4	5-Aug-19	Timing and control
	6-Aug-19	Instruction Cycle
	7-Aug-19	Memory reference instructions, Register reference instructions
	8-Aug-19	
	9-Aug-19	
	10-Aug-19	

	11-Aug-19	SUNDAY
5	12-Aug-19	ID-UL-ZUHA (BAKR-ID)
	13-Aug-19	Input -Output and Interrupt
	14-Aug-19	*****DO*****
	15-Aug-19	INDEPENDENCE DAY / RAKSHA BANDHAN
	16-Aug-19	
	17-Aug-19	
	18-Aug-19	SUNDAY
	6	19-Aug-19
20-Aug-19		Continued--
21-Aug-19		Continued--
22-Aug-19		
23-Aug-19		
24-Aug-19		JANAMASHTMI
25-Aug-19		SUNDAY
7		26-Aug-19
	27-Aug-19	Stack organisation
	28-Aug-19	Instruction formats, Addressing modes
	29-Aug-19	
	30-Aug-19	
	31-Aug-19	
	1-Sep-19	SUNDAY
	8	2-Sep-19
3-Sep-19		Data Transfer and Manipulation, program control
4-Sep-19		Program Interrupts
5-Sep-19		
	6-Sep-19	
	7-Sep-19	

	8-Sep-19	SUNDAY
9	9-Sep-19	RISC and CISC
	10-Sep-19	Continued--
	11-Sep-19	Introduction to CPU registers and register transfer language
	12-Sep-19	
	13-Sep-19	
	14-Sep-19	
	15-Sep-19	SUNDAY
10	16-Sep-19	Bus and memory transfers and three state bus buffers
	17-Sep-19	Memory transfer, microoperations, arithmetic microoperations
	18-Sep-19	Logic microoperations, Shift microoperations
	19-Sep-19	
	20-Sep-19	
	21-Sep-19	
	22-Sep-19	SUNDAY
11	23-Sep-19	SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY
	24-Sep-19	Conditional test
	25-Sep-19	Arithmetic logic shift unit, address sequencing
	26-Sep-19	
	27-Sep-19	
	28-Sep-19	
	29-Sep-19	SUNDAY (MAHARAJA AGRASEN JAYANTI)
12	30-Sep-19	Computer configuration for microoperations, microinstruction format
	1-Oct-19	Design of control unit
	2-Oct-19	MAHATMA GANDHI JAYANTI
	3-Oct-19	
	4-Oct-19	
	5-Oct-19	

	6-Oct-19	SUNDAY
13	7-Oct-19	Assignment-2
	8-Oct-19	DUSSEHRA
	9-Oct-19	Memory hierarchy , auxiliary memory
	10-Oct-19	
	11-Oct-19	
	12-Oct-19	
	13-Oct-19	SUNDAY (MAHARISHI VALMIKI JAYANTI)
14	14-Oct-19	Associative memory , interleaved memory
	15-Oct-19	cache memory, virtual memory
	16-Oct-19	memory management hardware
	17-Oct-19	KARVA CHAETH
	18-Oct-19	
	19-Oct-19	
	20-Oct-19	SUNDAY
15	21-Oct-19	input -Output devices and asynchronous data transfer
	22-Oct-19	modes of transfer
	23-Oct-19	priority interrupt
	24-Oct-19	VACATION -I (DIWALI)
	25-Oct-19	VACATION -I (DIWALI)
	26-Oct-19	VACATION -I (DIWALI)
	27-Oct-19	SUNDAY (VACATION - I (DIWALI))
16	28-Oct-19	VACATION -I (DIWALI)
	29-Oct-19	VACATION -I (DIWALI)
	30-Oct-19	VACATION -I (DIWALI)
	31-Oct-19	
	1-Nov-19	HARYANA DAY
	2-Nov-19	

	3-Nov-19	SUNDAY
17	4-Nov-19	DMA
	5-Nov-19	Input - output processor
	6-Nov-19	revision
	7-Nov-19	
	8-Nov-19	
	9-Nov-19	
	10-Nov-19	SUNDAY
18	11-Nov-19	revision
	12-Nov-19	revision
	13-Nov-19	revision
	14-Nov-19	
	15-Nov-19	
	16-Nov-19	
	17-Nov-19	SUNDAY
19	18-Nov-19	revision

I.B. (PG) COLLEGE, PANIPAT

LESSON PLAN

SESSION 2019-20

LESSON PLAN: 19 WEEKS (JULY – NOV)

WEEK	DATE	CLASS BCA-II Section-I Subject Computer Oriented Numerical Analysis.
1	16-Jul-19	HAWAN & INAUGURATION SESSION 2019-20
	17-Jul-19	TIME-TABLE DISPLAY & DISCUSSION
	18-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (SCIENCE)
	19-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (COMMERCE)
	20-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (ARTS)
	21-Jul-19	SUNDAY
2	22-Jul-19	INTRODUCTION TO NUMERICAL ANALYSIS
	23-Jul-19	INTRODUCTION TO NUMERICAL ANALYSIS
	24-Jul-19	BISSECTION METHOD
	25-Jul-19	BISSECTION METHOD
	26-Jul-19	REGULA FALSI METHOD
	27-Jul-19	REGULA FALSI METHOD
	28-Jul-19	SUNDAY
3	29-Jul-19	NEWTON RAPHSON METHOD
	30-Jul-19	NEWTON RAPHSON METHOD
	31-Jul-19	SHAHEED UDHAM SINGH MARTYRDOM DAY
	1-Aug-19	NEWTON RAPHSON METHOD
	2-Aug-19	NEWTON RAPHSON METHOD
	3-Aug-19	HARIYALI TEEJ
	4-Aug-19	SUNDAY
4	5-Aug-19	Floating-point representation of numbers
	6-Aug-19	arithmetic operations with normalized floating-point numbers
	7-Aug-19	arithmetic operations with normalized floating-point numbers
	8-Aug-19	consequences, significant figures.

4	9-Aug-19	Error in number representation-inherent error
	10-Aug-19	Truncation, absolute,relative, percentage and round-off error
	11-Aug-19	SUNDAY
5	12-Aug-19	ID-UL-ZUHA (BAKR-ID)
	13-Aug-19	LEAVE
	14-Aug-19	LEAVE
	15-Aug-19	INDEPENDENCE DAY / RAKSHA BANDHAN
	16-Aug-19	Gauss-Elimination method
	17-Aug-19	Gauss-Elimination method
	18-Aug-19	SUNDAY
	6	19-Aug-19
20-Aug-19		pivoting, Ill-conditionedequations, refinement of solution
21-Aug-19		Gauss-Seidal iterative method
22-Aug-19		Gauss-Seidal iterative method
23-Aug-19		Gauss-Seidal iterative method
24-Aug-19		JANAMASHTMI
25-Aug-19		SUNDAY
7		26-Aug-19
	27-Aug-19	Euler method
	28-Aug-19	Euler modified method,
	29-Aug-19	Euler modified method,
	30-Aug-19	Taylor-series method
	31-Aug-19	Taylor-series method
	1-Sep-19	SUNDAY
	8	2-Sep-19
3-Sep-19		Runge-Kuttamethods,

	4-Sep-19	Predictor-Corrector methods.
	5-Sep-19	Predictor-Corrector methods.
8	6-Sep-19	TEST
	7-Sep-19	ASSIGNMENT-1
	8-Sep-19	SUNDAY
9	9-Sep-19	Trapezoidal & Simpson Rules
	10-Sep-19	Trapezoidal & Simpson Rules
	11-Sep-19	Trapezoidal & Simpson Rules
	12-Sep-19	Trapezoidal & Simpson Rules
	13-Sep-19	Polynomial interpolation Newton's
	14-Sep-19	Polynomial interpolation Newton's
	15-Sep-19	SUNDAY
10	16-Sep-19	Polynomial interpolation Lagrange's
	17-Sep-19	Polynomial interpolation Lagrange's
	18-Sep-19	Polynomial interpolation Lagrange's
	19-Sep-19	Polynomial interpolation Lagrange's
	20-Sep-19	Polynomial interpolation Lagrange's
	21-Sep-19	Polynomial interpolation Lagrange's
	22-Sep-19	SUNDAY
11	23-Sep-19	SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY
	24-Sep-19	Chebyshev polynomial
	25-Sep-19	Chebyshev polynomial
	26-Sep-19	First kind
	27-Sep-19	First kind
	28-Sep-19	Second Kind
	29-Sep-19	SUNDAY (MAHARAJA AGRASEN JAYANTI)

12	30-Sep-19	Second Kind
	1-Oct-19	Relation between First and Second Kind
	2-Oct-19	MAHATMA GANDHI JAYANTI
	3-Oct-19	Orthogonal properties
12	4-Oct-19	Orthogonal properties
	5-Oct-19	Orthogonal properties
	6-Oct-19	SUNDAY
13	7-Oct-19	Orthogonal properties
	8-Oct-19	DUSSEHRA
	9-Oct-19	Numerical Differentiation
	10-Oct-19	Numerical Differentiation
	11-Oct-19	Numerical Differentiation
	12-Oct-19	Numerical Differentiation
	13-Oct-19	SUNDAY (MAHARISHI VALMIKI JAYANTI)
14	14-Oct-19	pitfalls in differentiation
	15-Oct-19	pitfalls in differentiation
	16-Oct-19	discussion of convergence
	17-Oct-19	KARVA CHAETH
	18-Oct-19	discussion of convergence
	19-Oct-19	discussion of convergence
	20-Oct-19	SUNDAY
15	21-Oct-19	LEAVE
	22-Oct-19	LEAVE
	23-Oct-19	LEAVE
	24-Oct-19	VACATION -I (DIWALI)
	25-Oct-19	VACATION -I (DIWALI)

	26-Oct-19	VACATION -I (DIWALI)
	27-Oct-19	SUNDAY (VACATION - I (DIWALI))
16	28-Oct-19	VACATION -I (DIWALI)
	29-Oct-19	VACATION -I (DIWALI)
	30-Oct-19	VACATION -I (DIWALI)
	31-Oct-19	TEST
16	1-Nov-19	HARYANA DAY
	2-Nov-19	ASSIGNMENT-2
	3-Nov-19	SUNDAY
17	4-Nov-19	Revision Unit-I
	5-Nov-19	Revision Unit-I
	6-Nov-19	Revision Unit-I
	7-Nov-19	Revision Unit-II
	8-Nov-19	Revision Unit-II
	9-Nov-19	Revision Unit-II
	10-Nov-19	SUNDAY
18	11-Nov-19	Revision Unit-III
	12-Nov-19	Revision Unit-III
	13-Nov-19	Revision Unit-III
	14-Nov-19	Revision Unit-IV
	15-Nov-19	Revision Unit-IV
	16-Nov-19	Revision Unit-IV
	17-Nov-19	SUNDAY
19	18-Nov-19	Important Marking

I.B. (PG) COLLEGE, PANIPAT		
LESSON PLAN		SESSION 2019-20
Name of Teacher: VINAY BHARTI LESSON PLAN: 19 WEEKS (JULY – NOV)		
WEEK	DATE	CLASS : BCA-3rd Sem Subject: C++ PROGRAMMING
1	16-Jul-19	HAWAN & INAUGURATION SESSION 2019-20
	17-Jul-19	TIME-TABLE DISPLAY & DISCUSSION
	18-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (SCIENCE)
2	19-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (COMMERCE)
	20-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (ARTS)
	21-Jul-19	SUNDAY
	22-Jul-19	Discussion of Syllabus
	23-Jul-19	Object oriented Programming: Object-Oriented programming features and benefits
	24-Jul-19	Object-Oriented features of C++, Class and Objects
	25-Jul-19	Continue...
3	26-Jul-19	Data Hiding & Encapsulation, Structures, Data members and Member functions
	27-Jul-19	Continue...
	28-Jul-19	SUNDAY
	29-Jul-19	Scope resolution operator and its significance
	30-Jul-19	Static Data Members, Static member functions
	31-Jul-19	SHAHEED UDHAM SINGH MARTYRDOM DAY
	1-Aug-19	Continue...
4	2-Aug-19	Nested and Local Class
	3-Aug-19	HARIYALI TEEJ
	4-Aug-19	SUNDAY
	5-Aug-19	CONTINUE...
4	6-Aug-19	Accessing Members of Class and Structure
	7-Aug-19	PROGRAMMING EXAMPLES
	8-Aug-19	PROGRAMMING EXAMPLES
5	9-Aug-19	PROGRAMMING EXAMPLES

	10-Aug-19	REVISION
	11-Aug-19	SUNDAY
	12-Aug-19	ID-UL-ZUHA (BAKR-ID)
	13-Aug-19	CLASS TEST (OOPS)
	14-Aug-19	Constructor, Initialization using constructor, types of constructor– Default
	15-Aug-19	INDEPENDENCE DAY / RAKSHA BANDHAN
6	16-Aug-19	PROGRAMMING EXAMPLES
	17-Aug-19	Parameterized & Copy Constructors
	18-Aug-19	SUNDAY
	19-Aug-19	PROGRAMMING EXAMPLES
	20-Aug-19	First Assignment (Friend Function, Constructor & Destructor)
	21-Aug-19	Constructor overloading
	22-Aug-19	PROGRAMMING EXAMPLES
7	23-Aug-19	Destructors
	24-Aug-19	JANAMASHTMI
	25-Aug-19	SUNDAY
	26-Aug-19	PROGRAMMING EXAMPLES
	27-Aug-19	Revision
	28-Aug-19	Revision
	29-Aug-19	FIRST CONDITIONAL TEST (CONSTRUCTOR & DESTRUCTOR)
8	30-Aug-19	Console I/O: Hierarchy of Console Stream Classes
	31-Aug-19	Unformatted and Formatted I/O Operations
	1-Sep-19	SUNDAY
	2-Sep-19	Continue...
8	3-Sep-19	PROGRAMMING EXAMPLES
	4-Sep-19	Rrvision

	5-Sep-19	PRESENTATION (CLASSES AND OBJECT)
9	6-Sep-19	Friend Function
	7-Sep-19	Friend Function
	8-Sep-19	SUNDAY
	9-Sep-19	PROGRAMMING EXAMPLES
	10-Sep-19	Friend Class
	11-Sep-19	PROGRAMMING EXAMPLES
	12-Sep-19	Arrays, PROGRAMMING EXAMPLE
10	13-Sep-19	Array of Objects
	14-Sep-19	PROGRAMMING EXAMPLES
	15-Sep-19	SUNDAY
	16-Sep-19	Passing and Returning Objects to Functions
	17-Sep-19	PROGRAMMING EXAMPLES
	18-Sep-19	String Handling in C++
	19-Sep-19	PROGRAMMING EXAMPLES
11	20-Sep-19	Dynamic Memory Management: Pointers, new and delete Operator
	21-Sep-19	PROGRAMMING EXAMPLES
	22-Sep-19	SUNDAY
	23-Sep-19	SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY
	24-Sep-19	PROGRAMMING EXAMPLES
	25-Sep-19	PROGRAMMING EXAMPLES
	26-Sep-19	this Pointer
12	27-Sep-19	PROGRAMMING EXAMPLES
	28-Sep-19	Passing Parameters to Functions by Reference & pointers
	29-Sep-19	SUNDAY (MAHARAJA AGRASEN JAYANTI)
	30-Sep-19	Revision

12	1-Oct-19	Revision
	2-Oct-19	MAHATMA GANDHI JAYANTI
	3-Oct-19	SECOND CONDITIONAL TEST (I/O STREAMS)
13	4-Oct-19	Polymorphism, Advantages and Disadvantages
	5-Oct-19	Operators in C++
	6-Oct-19	SUNDAY
	7-Oct-19	CONTINUE...
	8-Oct-19	DUSSEHRA
	9-Oct-19	CONTINUE...
	10-Oct-19	PROGRAMMING EXAMPLES
14	11-Oct-19	PROGRAMMING EXAMPLES
	12-Oct-19	Precedence and Associativity Rules
	13-Oct-19	SUNDAY (MAHARISHI VALMIKI JAYANTI)
	14-Oct-19	Operator Overloading, Unary
	15-Oct-19	PROGRAMMING EXAMPLES
	16-Oct-19	PROGRAMMING EXAMPLES
	17-Oct-19	Binary Operators Overloading,
15	18-Oct-19	PROGRAMMING EXAMPLES
	19-Oct-19	PROGRAMMING EXAMPLES
	20-Oct-19	SUNDAY
	21-Oct-19	Function Overloading
	22-Oct-19	PROGRAMMING EXAMPLES
	23-Oct-19	REVISION
	24-Oct-19	VACATION -I (DIWALI)
16	25-Oct-19	VACATION -I (DIWALI)
	26-Oct-19	VACATION -I (DIWALI)

	27-Oct-19	SUNDAY (VACATION - I (DIWALI))
	28-Oct-19	VACATION -I (DIWALI)
16	29-Oct-19	VACATION -I (DIWALI)
	30-Oct-19	VACATION -I (DIWALI)
	31-Oct-19	Second Assignment (Operator Overloading, I/O Streams))
17	1-Nov-19	HARYANA DAY
	2-Nov-19	Revision
	3-Nov-19	SUNDAY
	4-Nov-19	PRESENTATION (OPERATOR OVERLOADING)
	5-Nov-19	Inline Functions
	6-Nov-19	PROGRAMMING EXAMPLES
	7-Nov-19	PROGRAMMING EXAMPLES
18	8-Nov-19	PROGRAMMING EXAMPLES
	9-Nov-19	PROGRAMMING EXAMPLES
	10-Nov-19	SUNDAY
	11-Nov-19	Revision
	12-Nov-19	GURU NANAK DEV JAYANTI
	13-Nov-19	Revision
	14-Nov-19	Revision
19	15-Nov-19	Revision
	16-Nov-19	Revision
	17-Nov-19	SUNDAY
	18-Nov-19	Revision

I.B. (PG) COLLEGE, PANIPAT

LESSON PLAN

SESSION 2019-20

LESSON PLAN: 19 WEEKS (JULY – NOV)

WEEK	DATE	CLASS BCA-II Section I Subject DATA STRUCTURES
1	16-Jul-19	HAWAN & INAUGURATION SESSION 2019-20
	17-Jul-19	TIME-TABLE DISPLAY & DISCUSSION
	18-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (SCIENCE)
	19-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (COMMERCE)
	20-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (ARTS)
	21-Jul-19	SUNDAY
2	22-Jul-19	Elementary data organization
	23-Jul-19	Elementary data organization
	24-Jul-19	Data Structure definition,Data type vs. data structure,
	25-Jul-19	Data Structure definition,Data type vs. data structure,
	26-Jul-19	Categories of data structures
	27-Jul-19	Categories of data structures
	28-Jul-19	SUNDAY
3	29-Jul-19	Stack: Introduction
	30-Jul-19	Array representation of stacks,Operations on stacks
	31-Jul-19	SHAHEED UDHAM SINGH MARTYRDOM DAY
	1-Aug-19	Applications of stacks: Polish notation,
	2-Aug-19	Recursion
	3-Aug-19	HARIYALI TEEJ
	4-Aug-19	SUNDAY
4	5-Aug-19	Queues: Introduction,
	6-Aug-19	Array and linked representation of queues
	7-Aug-19	Operations on queues
	8-Aug-19	Deques

	9-Aug-19	Priority Queues
	10-Aug-19	Applications of Queues
	11-Aug-19	SUNDAY
5	12-Aug-19	ID-UL-ZUHA (BAKR-ID)
	13-Aug-19	LEAVE
	14-Aug-19	LEAVE
	15-Aug-19	INDEPENDENCE DAY / RAKSHA BANDHAN
	16-Aug-19	Strings: Introduction
	17-Aug-19	String operations
	18-Aug-19	SUNDAY
6	19-Aug-19	Pattern matching algorithms.
	20-Aug-19	Data structure operations,
	21-Aug-19	Applications of data structures, ,
	22-Aug-19	Algorithmscomplexity and time-space tradeoff
	23-Aug-19	Big-O notation.
	24-Aug-19	JANAMASHTMI
	25-Aug-19	SUNDAY
7	26-Aug-19	Arrays: Introduction
	27-Aug-19	Linear arrays, Representation of linear array inmemory
	28-Aug-19	Traversal, Insertions, Deletion in an array
	29-Aug-19	Traversal, Insertions, Deletion in an array
	30-Aug-19	Multidimensionalarrays, Parallel arrays, Sparce matrices.
	31-Aug-19	Multidimensionalarrays, Parallel arrays, Sparce matrices.
	1-Sep-19	SUNDAY
8	2-Sep-19	Linked List: Introduction
	3-Sep-19	Representation of linked lists in memory

	4-Sep-19	Array vs. linked list,
	5-Sep-19	Traversal, Insertion, Deletion, Searching in a linkedlist,
	6-Sep-19	Traversal, Insertion, Deletion, Searching in a linkedlist,
	7-Sep-19	Traversal, Insertion, Deletion, Searching in a linkedlist,
	8-Sep-19	SUNDAY
9	9-Sep-19	Header linked list
	10-Sep-19	Header linked list
	11-Sep-19	Circular linked list,
	12-Sep-19	Circular linked list,
	13-Sep-19	Two-way linked list
	14-Sep-19	Two-way linked list
	15-Sep-19	SUNDAY
10	16-Sep-19	Garbagecollection
	17-Sep-19	Applications of linked lists
	18-Sep-19	Algorithms for Insertion, deletion in array, Single linked list
	19-Sep-19	Algorithms for Insertion, deletion in array, Single linked list
	20-Sep-19	Algorithms for Insertion, deletion in array, Single linked list
	21-Sep-19	Algorithms for Insertion, deletion in array, Single linked list
	22-Sep-19	SUNDAY
11	23-Sep-19	SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY
	24-Sep-19	REVISION UNIT I
	25-Sep-19	REVISION UNIT I
	26-Sep-19	REVISION UNIT II
	27-Sep-19	REVISION UNIT II
	28-Sep-19	REVISION UNIT II
	29-Sep-19	SUNDAY (MAHARAJA AGRASEN JAYANTI)

12	30-Sep-19	REVISION UNIT III
	1-Oct-19	REVISION UNIT III
	2-Oct-19	MAHATMA GANDHI JAYANTI
	3-Oct-19	Tree: Introduction
12	4-Oct-19	Representing Binary tree in memory
	5-Oct-19	Representing Binary tree in memory
	6-Oct-19	SUNDAY
13	7-Oct-19	Traversing binary trees
	8-Oct-19	DUSSEHRA
	9-Oct-19	Traversal algorithms using stacks and using recursion.
	10-Oct-19	Traversal algorithms using stacks and using recursion.
	11-Oct-19	Traversal algorithms using stacks and using recursion.
	12-Oct-19	Traversal algorithms using stacks and using recursion.
	13-Oct-19	SUNDAY (MAHARISHI VALMIKI JAYANTI)
14	14-Oct-19	Graph: Introduction
	15-Oct-19	Graph: Introduction
	16-Oct-19	Graph theory terminology
	17-Oct-19	KARVA CHAUGH
	18-Oct-19	Sequential and linked representation of graphs.
	19-Oct-19	Sequential and linked representation of graphs.
	20-Oct-19	SUNDAY
15	21-Oct-19	
	22-Oct-19	
	23-Oct-19	
	24-Oct-19	VACATION -I (DIWALI)
	25-Oct-19	VACATION -I (DIWALI)

	26-Oct-19	VACATION -I (DIWALI)
	27-Oct-19	SUNDAY (VACATION - I (DIWALI))
16	28-Oct-19	VACATION -I (DIWALI)
	29-Oct-19	VACATION -I (DIWALI)
	30-Oct-19	VACATION -I (DIWALI)
	31-Oct-19	TEST
16	1-Nov-19	HARYANA DAY
	2-Nov-19	ASSIGNMENT 2
	3-Nov-19	SUNDAY
17	4-Nov-19	REVISION
	5-Nov-19	REVISION
	6-Nov-19	REVISION
	7-Nov-19	REVISION
	8-Nov-19	REVISION
	9-Nov-19	REVISION
	10-Nov-19	SUNDAY
18	11-Nov-19	DISCUSSION ON PREVIOUS YEAR PAPERS
	12-Nov-19	GURU NANAK DEV JAYANTI
	13-Nov-19	DISCUSSION ON PREVIOUS YEAR PAPERS
	14-Nov-19	DISCUSSION ON PREVIOUS YEAR PAPERS
	15-Nov-19	DISCUSSION ON PREVIOUS YEAR PAPERS
	16-Nov-19	DISCUSSION ON PREVIOUS YEAR PAPERS
	17-Nov-19	SUNDAY
19	18-Nov-19	IMPORTANT MARKING

I.B. (PG) COLLEGE, PANIPAT

LESSON PLAN

SESSION 2019-20

Name of Teacher: DEEPTY LESSON PLAN: 19 WEEKS (JULY – NOV)

WEEK	DATE	CLASS BCA 3rd SEM	Subject: DBMS
1	16-Jul-19	HAWAN & INAUGURATION SESSION 2019-20	
	17-Jul-19	TIME-TABLE DISPLAY & DISCUSSION	
	18-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (SCIENCE)	
	19-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (COMMERCE)	
	20-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (ARTS)	
	21-Jul-19	SUNDAY	
2	22-Jul-19		
	23-Jul-19		
	24-Jul-19		
	25-Jul-19	BASIC CONCEPT OF DATA AND DATABASE	
	26-Jul-19	FILE BASED APPROACH, ADVANTAGES AND DISADVANTAGES	
	27-Jul-19	DATABASE APPROACH & ITS CHARACTERSTIS	
	28-Jul-19	SUNDAY	
3	29-Jul-19		
	30-Jul-19		
	31-Jul-19	SHAHEED UDHAM SINGH MARTYRDOM DAY	
	1-Aug-19	DBMS & DBMS COMPONENT ENVIRONMENT	
	2-Aug-19	DBMS FUNCTIONS & ITS COMPONENTS	
	3-Aug-19	HARIYALI TEEJ	
	4-Aug-19	SUNDAY	
4	5-Aug-19		
	6-Aug-19		
	7-Aug-19		
	8-Aug-19	ADVANTAGE & DISADVANTAGE OF DBMS	
	9-Aug-19	DATA & DATABSE ADMINISTRATOR	
	10-Aug-19	DATABASE DESIGNERS	

	11-Aug-19	SUNDAY
5	12-Aug-19	ID-UL-ZUHA (BAKR-ID)
	13-Aug-19	
	14-Aug-19	
	15-Aug-19	INDEPENDENCE DAY / RAKSHA BANDHAN
	16-Aug-19	APPLICATION DEVELOPER & END USERS
	17-Aug-19	PROBLEM DISCUSSION
	18-Aug-19	SUNDAY
6	19-Aug-19	
	20-Aug-19	
	21-Aug-19	
	22-Aug-19	ASSIGNMENT I
	23-Aug-19	DATABASE SYSTEM ARCHITECTURE
	24-Aug-19	JANAMASHTMI
	25-Aug-19	SUNDAY
7	26-Aug-19	
	27-Aug-19	
	28-Aug-19	
	29-Aug-19	DATABASE SYSTEM ARCHITECTURE
	30-Aug-19	EXTELERNAL, INTERNAL, CONCEPTUAL LEVEL
	31-Aug-19	SCHEMAS, MAPPINGS & INSTANCES
	1-Sep-19	SUNDAY
8	2-Sep-19	
	3-Sep-19	
	4-Sep-19	
	5-Sep-19	DATA INDEPENDANCE
	6-Sep-19	CLASSIFICATION OF DBMS
	7-Sep-19	PROBLEM DISCUSSION

	8-Sep-19	SUNDAY
9	9-Sep-19	
	10-Sep-19	
	11-Sep-19	
	12-Sep-19	CLASS TEST
	13-Sep-19	CENTRALIZED ARCHITECTURE TO DBMS
	14-Sep-19	CLIENT SERVER ARCHITECTURE TO DBMS
	15-Sep-19	SUNDAY
10	16-Sep-19	
	17-Sep-19	
	18-Sep-19	
	19-Sep-19	GROUP DISCUSSION
	20-Sep-19	RECORD BASED , OBJECT BASED DATA MODEL
	21-Sep-19	PHYSICAL DATA MODEL & CONCEPTUAL MODELING
	22-Sep-19	SUNDAY
11	23-Sep-19	SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY
	24-Sep-19	
	25-Sep-19	
	26-Sep-19	PROBLEM DISCUSSION
	27-Sep-19	CONDITIONAL TEST
	28-Sep-19	E-R MODEL
	29-Sep-19	SUNDAY (MAHARAJA AGRASEN JAYANTI)
12	30-Sep-19	
	1-Oct-19	
	2-Oct-19	MAHATMA GANDHI JAYANTI
	3-Oct-19	E-R MODEL
12	4-Oct-19	HISTORY, TERMINOLOGY IN RELATIONAL DATA STRUCTURE
	5-Oct-19	ASIGNMENT II

	6-Oct-19	SUNDAY
13	7-Oct-19	
	8-Oct-19	DUSSEHRA
	9-Oct-19	
	10-Oct-19	RELATIONS & ITS PROPERTIES
	11-Oct-19	HISTORY OF RELATIONAL MODEL
	12-Oct-19	TERMINIOLOGY IN RELATIONAL DATA STRUCTURE
	13-Oct-19	SUNDAY (MAHARISHI VALMIKI JAYANTI)
14	14-Oct-19	
	15-Oct-19	
	16-Oct-19	
	17-Oct-19	KARVA CHAUTH
	18-Oct-19	RELATIONAL MODEL
	19-Oct-19	KEYS,DOMAIN
	20-Oct-19	SUNDAY
15	21-Oct-19	
	22-Oct-19	
	23-Oct-19	
	24-Oct-19	VACATION -I (DIWALI)
	25-Oct-19	VACATION -I (DIWALI)
	26-Oct-19	VACATION -I (DIWALI)
	27-Oct-19	SUNDAY (VACATION - I (DIWALI))
16	28-Oct-19	VACATION -I (DIWALI)
	29-Oct-19	VACATION -I (DIWALI)
	30-Oct-19	VACATION -I (DIWALI)
	31-Oct-19	INTEGRITY CONSTRAINTS OVER RELATION
16	1-Nov-19	HARYANA DAY
	2-Nov-19	INTEGRITY CONSTRAINTS OVER RELATION

	3-Nov-19	SUNDAY
17	4-Nov-19	
	5-Nov-19	
	6-Nov-19	
	7-Nov-19	BASE TABLE & VIEWS
	8-Nov-19	HIERARCHICAL MODEL
	9-Nov-19	NETWORK DATA MODEL
	10-Nov-19	SUNDAY
18	11-Nov-19	
	12-Nov-19	GURU NANAK DEV JAYANTI
	13-Nov-19	
	14-Nov-19	REVISION
	15-Nov-19	REVISION
	16-Nov-19	REVISION
	17-Nov-19	SUNDAY
19	18-Nov-19	

I.B. (PG) COLLEGE, PANIPAT**LESSON PLAN****SESSION 2019-20****Name of Teacher: Charu Mukhija LESSON PLAN: 19 WEEKS (JULY – NOV)**

WEEK	DATE	CLASS: BCA 2nd	Subject: Software Engineering
1	16-Jul-19	HAWAN & INAUGURATION SESSION 2019-20	
	17-Jul-19	TIME-TABLE DISPLAY & DISCUSSION	
	18-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (SCIENCE)	
	19-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (COMMERCE)	
	20-Jul-19	ORIENTATION PROGRAMME & LIBRARY VISIT (ARTS)	
	21-Jul-19	SUNDAY	
2	22-Jul-19		
	23-Jul-19		
	24-Jul-19		
	25-Jul-19	Program vs software, software engineering, programming paradigm.	
	26-Jul-19	Software crises, phase in software development	
	27-Jul-19	continue	
	28-Jul-19	SUNDAY	
3	29-Jul-19		
	30-Jul-19		
	31-Jul-19	SHAHEED UDHAM SINGH MARTYRDOM DAY	
	1-Aug-19	software process model, water fall model	
	2-Aug-19	spiral model, prototype model	
	3-Aug-19	HARIYALI TEEJ	
	4-Aug-19	SUNDAY	
4	5-Aug-19		
	6-Aug-19		
	7-Aug-19		
	8-Aug-19	Evolutionary, Role of matrix in software development	

4	9-Aug-19	Feasibility study,SRS,need of SRS
	10-Aug-19	Characteristics of SRS, components of SRS
	11-Aug-19	SUNDAY
5	12-Aug-19	ID-UL-ZUHA (BAKR-ID)
	13-Aug-19	
	14-Aug-19	
	15-Aug-19	INDEPENDENCE DAY / RAKSHA BANDHAN
	16-Aug-19	Problem analysis, inf. gathering tools, organising and struc.info.
	17-Aug-19	Requirement specification, verification and validation
	18-Aug-19	SUNDAY
6	19-Aug-19	
	20-Aug-19	
	21-Aug-19	
	22-Aug-19	SCM,data flow diagram,data directory
	23-Aug-19	decision table, decision tree, structure english
	24-Aug-19	JANAMASHTMI
	25-Aug-19	SUNDAY
7	26-Aug-19	
	27-Aug-19	
	28-Aug-19	
	29-Aug-19	ER diagram,cohesionand coupling
	30-Aug-19	Gantt chart,PERT chart
	31-Aug-19	software maintenance
	1-Sep-19	SUNDAY
8	2-Sep-19	
	3-Sep-19	
	4-Sep-19	

	5-Sep-19	software maintenance
8	6-Sep-19	coast estimation,COCOMO model
	7-Sep-19	Project sheduling
	8-Sep-19	SUNDAY
9	9-Sep-19	
	10-Sep-19	
	11-Sep-19	
	12-Sep-19	staffing and personal planning
	13-Sep-19	Team structure
	14-Sep-19	assignment-1
	15-Sep-19	SUNDAY
10	16-Sep-19	
	17-Sep-19	
	18-Sep-19	
	19-Sep-19	software configuration management
	20-Sep-19	Quality assurance plan
	21-Sep-19	project monitoring plan
	22-Sep-19	SUNDAY
11	23-Sep-19	SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY
	24-Sep-19	
	25-Sep-19	
	26-Sep-19	Problem discussion
	27-Sep-19	Conditional test
	28-Sep-19	Risk management
	29-Sep-19	SUNDAY (MAHARAJA AGRASEN JAYANTI)
12	30-Sep-19	

	1-Oct-19	
	2-Oct-19	MAHATMA GANDHI JAYANTI
	3-Oct-19	Risk management-contd.
12	4-Oct-19	Group Discussion
	5-Oct-19	Assignment-2
	6-Oct-19	SUNDAY
13	7-Oct-19	
	8-Oct-19	DUSSEHRA
	9-Oct-19	
	10-Oct-19	Software testing strategies
	11-Oct-19	unit testing
	12-Oct-19	integration testing
	13-Oct-19	SUNDAY (MAHARISHI VALMIKI JAYANTI)
14	14-Oct-19	
	15-Oct-19	
	16-Oct-19	
	17-Oct-19	KARVA CHAETH
	18-Oct-19	validation testing
	19-Oct-19	alpha testing
	20-Oct-19	SUNDAY
15	21-Oct-19	
	22-Oct-19	
	23-Oct-19	
	24-Oct-19	VACATION -I (DIWALI)
	25-Oct-19	VACATION -I (DIWALI)
	26-Oct-19	VACATION -I (DIWALI)

	27-Oct-19	SUNDAY (VACATION - I (DIWALI))
16	28-Oct-19	VACATION -I (DIWALI)
	29-Oct-19	VACATION -I (DIWALI)
	30-Oct-19	VACATION -I (DIWALI)
	31-Oct-19	system testing
16	1-Nov-19	HARYANA DAY
	2-Nov-19	Beta testing
	3-Nov-19	SUNDAY
17	4-Nov-19	
	5-Nov-19	
	6-Nov-19	
	7-Nov-19	Group Discussion
	8-Nov-19	revision
	9-Nov-19	Group Discussion
	10-Nov-19	SUNDAY
18	11-Nov-19	
	12-Nov-19	GURU NANAK DEV JAYANTI
	13-Nov-19	
	14-Nov-19	Revision
	15-Nov-19	Group Discussion
	16-Nov-19	Revision
	17-Nov-19	SUNDAY
19	18-Nov-19	