I.B. (PG) COLLEGE, PANIPAT
(SESSION 2021-2022)

Teaching Term : (06.10.2021 to 22.02.2022) (Odd Semester)

Weekly Lesson Plan UG (IIIrd Semester)

Name of the Paper:- OBJECT ORIENTED PROGRAMMING USING 'C++' Class: BCA II Year

Name of the Teachers (Section wise): PROF. VINAY BHARTI

WEEK	DATE	TOPICS
1	October (6 - 9)	ORIENTATION
		HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
		ORIENTATION
		ORIENTATION
SUNDAY - 10.10.2021		
2	October (11-16)	Object oriented Programming: Object-Oriented programming features and benefits
		CONTINUE…
		Scope resolution operator and its significance
		Static Data Members, Static member functions
		HOLIDAY - 15.10.2021 - DUSSEHRA
		Nested and Local Class
SUNDAY - 17.10.2021		
3	October (18-23)	CONTINUE…
		CONTINUE…
		Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
		Accessing Members of Class and Structure
		PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
SUNDAY - 24.10.2021		
4	October (25 -30)	REVISION
		CLASS TEST (OOPS)
		Constructor, Initialization using constructor, types of constructor– Default
		PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
		Parameterized & Copy Constructors
VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK		
5	November (8 -13)	PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
		Constructor overloading
		PROGRAMMING EXAMPLES
		Default Values to Parameters
		Destructors
SUNDAY - 14.11.2021		

6	November (15 -20)	PROGRAMMING EXAMPLES
		REVISION
		CLASS TEST (CONSTUCTOR & DESTRUCTOR)
		Console I/O: Hierarchy of Console Stream Classes
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti
		Unformatted and Formatted I/O Operations
SUNDAY - 21.11.2021		
7	November (22-27)	PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
		REVISION
		PRESENTATION (CLASSES AND OBJECT)
		Manipulators, PROGRAMMING EXAMPLE
		Friend Function
SUNDAY - 28.11.2021		
8	November (29-30) December (1-4)	PROGRAMMING EXAMPLES
		Friend Class
		PROGRAMMING EXAMPLES
		Arrays, PROGRAMMING EXAMPLE
		Array of Objects
		PROGRAMMING EXAMPLES
SUNDAY - 5.12.2021		
9	December (6-11)	Passing and Returning Objects to Functions
		PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
		String Handling in C++
		PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
SUNDAY - 12.12.2021		
10	December (13-18)	Dynamic Memory Management: Pointers, new and delete Operator
		PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
		Array of Pointers to Objects
		PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
SUNDAY - 19.12.2021		

11	December (20-25)	this Pointer
		PROGRAMMING EXAMPLES
		Passing Parameters to Functions by Reference & pointers
		PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
		Holiday -25.12.2021 - Christmas
SUNDAY - 26.12.2021		
12	December (27-31)	REVISION
		REVISION
		CONDITIONAL TEST (I/O STREAMS)
		Polymorphism, Advantages and Disadvantages
		Operators in C++
	January (1)	CONTINUE…
SUNDAY -02.01.2022		
13	January (3-8)	CONTINUE…
		PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
		Precedence and Associativity Rules
		Operator Overloading, Unary
		PROGRAMMING EXAMPLES
SUNDAY - 09.01.2022		
14	January (10-15)	PROGRAMMING EXAMPLES
		Binary Operators Overloading,
		PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
		Function Overloading
		PROGRAMMING EXAMPLES
SUNDAY - 16.01.2022		
15	January (17-22)	REVISION
		REVISION
		REVISION
		REVISION
		PRESENTATION (OPERATOR OVERLOADING)
		PRESENTATION (OPERATOR OVERLOADING)
SUNDAY - 23.01.2022		
16	January (24-29)	Inline Functions
		PROGRAMMING EXAMPLES
		Holiday - 26.01.2022 - Republic day
		PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
SUNDAY - 30.01.2022		

17	January(31)	REVISION
	February(1-4)	REVISION
		REVISION
		REVISION
		REVISION
Holiday - 05.02.2022 - Vasant Panchami		
SUNDAY - 6.02.2022		
18	February (7-12)	CLASS TEST (OPERATOR OVERLOADING)
		REVISION
		REVISION
		REVISION
		REVISION
		REVISION
		SUNDAY - 13.02.2022
19	February (14-19)	REVISION
		REVISION
		REVISION
		REVISION
		REVISION
		REVISION
		SUNDAY - 20.02.2022
20	February (21-22)	REVISION
		REVISION

I.B. (PG) COLLEGE, PANIPAT
(SESSION 2021-2022)

Teaching Term : (06.10.2021 to 22.02.2022) (Odd Semester)

Weekly Lesson Plan UG (IIIrd Semester)

Name of the Paper:- Data Structure-I Class: BCA-II

Name of the Teachers (Section wise): ASHWANI GUPTA

WEEK	DATE	TOPICS
1	October (6 - 9)	
		HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
		INTRODUCTION
		INTRODUCTION
SUNDAY - 10.10.2021		
2	October (11-16)	Introduction: Elementary data organization,
		Introduction: Elementary data organization,
		Introduction: Elementary data organization,
		Introduction: Elementary data organization,
		HOLIDAY - 15.10.2021 - DUSSEHRA
		Introduction: Elementary data organization,
SUNDAY - 17.10.2021		
3	October (18-23)	Data Structure definition, Data type vs. data structure,
		Data Structure definition, Data type vs. data structure,
		Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
		Categories of data structures,
		Categories of data structures,
		Categories of data structures,
SUNDAY - 24.10.2021		
4	October (25 -30)	Strings: Introduction, Stroing strings, String operations,
		Strings: Introduction, Stroing strings, String operations,
		Strings: Introduction, Stroing strings, String operations,
		LEAVE
		LEAVE
		LEAVE
VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK		
5	November (8 -13)	Pattern matching algorithms
		Pattern matching algorithms
		Pattern matching algorithms
		Data structure operations, Applications of data structures,
		Data structure operations, Applications of data structures,
		Data structure operations, Applications of data structures,
SUNDAY - 14.11.2021		

6	November (15 -20)	Algorithms complexity and time-space tradeoff.
		Algorithms complexity and time-space tradeoff.
		Algorithms complexity and time-space tradeoff.
		Assignment No 1
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti
		Doubt Session
SUNDAY - 21.11.2021		
7	November (22-27)	Stack: Introduction, Array and linked representation of stacks
		Stack: Introduction, Array and linked representation of stacks
		Stack: Introduction, Array and linked representation of stacks
		, Operations on stacks, Applications of stacks: Polish notation, Recursion.
		, Operations on stacks, Applications of stacks: Polish notation, Recursion.
		, Operations on stacks, Applications of stacks: Polish notation, Recursion.
SUNDAY - 28.11.2021		
8	November (29-30) December (1-4)	, Operations on stacks, Applications of stacks: Polish notation, Recursion.
		, Operations on stacks, Applications of stacks: Polish notation, Recursion.
		Queues: Introduction, Array and linked representation of queues, Operations on queues, Deques, Priority Queues, Applications of queues.
		Queues: Introduction, Array and linked representation of queues, Operations on queues, Deques, Priority Queues, Applications of queues.
		Queues: Introduction, Array and linked representation of queues, Operations on queues, Deques, Priority Queues, Applications of queues.
		Queues: Introduction, Array and linked representation of queues, Operations on queues, Deques, Priority Queues, Applications of queues.
SUNDAY - 5.12.2021		
9	December (6-11)	Arrays: Introduction, Linear arrays, Representation of linear array in memory,
		Arrays: Introduction, Linear arrays, Representation of linear array in memory,
		Arrays: Introduction, Linear arrays, Representation of linear array in memory,
		Arrays: Introduction, Linear arrays, Representation of linear array in memory,
		Arrays: Introduction, Linear arrays, Representation of linear array in memory,
		Arrays: Introduction, Linear arrays, Representation of linear array in memory,
SUNDAY - 12.12.2021		
10	December (13-18)	Traversal, Insertions, Deletion in an array,
		Traversal, Insertions, Deletion in an array,
		Traversal, Insertions, Deletion in an array,
		Multidimensional arrays, Parallel arrays, Sparce matrics
		Multidimensional arrays, Parallel arrays, Sparce matrics
		Multidimensional arrays, Parallel arrays, Sparce matrics
SUNDAY - 19.12.2021		

11	December (20-25)	Tree: Introduction, Definition, Representing Binary tree in memory, Traversing binary trees, Traversal algorithms using stacks.
		Tree: Introduction, Definition, Representing Binary tree in memory, Traversing binary trees, Traversal algorithms using stacks.
		Tree: Introduction, Definition, Representing Binary tree in memory, Traversing binary trees, Traversal algorithms using stacks.
		Tree: Introduction, Definition, Representing Binary tree in memory, Traversing binary trees, Traversal algorithms using stacks.
		Tree: Introduction, Definition, Representing Binary tree in memory, Traversing binary trees, Traversal algorithms using stacks.
		Holiday -25.12.2021 - Christmas
SUNDAY - 26.12.2021		
12	December (27-31)	Tree: Introduction, Definition, Representing Binary tree in memory, Traversing binary trees, Traversal algorithms using stacks.
		Tree: Introduction, Definition, Representing Binary tree in memory, Traversing binary trees, Traversal algorithms using stacks.
		Tree: Introduction, Definition, Representing Binary tree in memory, Traversing binary trees, Traversal algorithms using stacks.
		Tree: Introduction, Definition, Representing Binary tree in memory, Traversing binary trees, Traversal algorithms using stacks.
		Tree: Introduction, Definition, Representing Binary tree in memory, Traversing binary trees, Traversal algorithms using stacks.
	January (1)	Doubt Session
SUNDAY -02.01.2022		
13	January (3-8)	Graph: Introduction, Graph theory terminology,
		Graph: Introduction, Graph theory terminology,
		Graph: Introduction, Graph theory terminology,
		Graph: Introduction, Graph theory terminology,
		Graph: Introduction, Graph theory terminology,
		Graph: Introduction, Graph theory terminology,
SUNDAY - 09.01.2022		
14	January (10-15)	Sequential and linked representation of graphs.
		Sequential and linked representation of graphs.
		Sequential and linked representation of graphs.
		Sequential and linked representation of graphs.
		Sequential and linked representation of graphs.
		Sequential and linked representation of graphs.
SUNDAY - 16.01.2022		

15	January (17-22)	Linked List: Introduction, Array vs. linked list,
		Linked List: Introduction, Array vs. linked list,
		Linked List: Introduction, Array vs. linked list,
		Linked List: Introduction, Array vs. linked list,
		Linked List: Introduction, Array vs. linked list,
		Linked List: Introduction, Array vs. linked list,
SUNDAY - 23.01.2022		
16	January (24-29)	Representation of linked lists in memory
		Representation of linked lists in memory
		Holiday - 26.01.2022 - Republic day
		Traversal, Insertion, Deletion, Searching in a linked list,
		Traversal, Insertion, Deletion, Searching in a linked list,
		Traversal, Insertion, Deletion, Searching in a linked list,
SUNDAY - 30.01.2022		
17	January(31)	Traversal, Insertion, Deletion, Searching in a linked list,
	February(1-4)	Header linked list, Circular linked list, Two-way linked list,
		Header linked list, Circular linked list, Two-way linked list,
		Header linked list, Circular linked list, Two-way linked list,
		Header linked list, Circular linked list, Two-way linked list,
Holiday - 05.02.2022 - Vasant Panchami		
SUNDAY - 6.02.2022		
18	February (7-12)	**Conditional Test**
		Revision Unit-I
		Revision Unit-I
		Revision Unit-I
		Revision Unit-I
		Revision Unit-I
		SUNDAY - 13.02.2022
19	February (14-19)	**Revision Unit-II**
		Revision Unit-II
		Revision Unit-II
		Revision Unit-III
		Revision Unit-III
		Revision Unit-III
		SUNDAY - 20.02.2022
20	February (21-22)	**Revision Unit-IV**
		Revision Unit-IV

I.B. (PG) COLLEGE, PANIPAT
(SESSION 2021-2022)

Teaching Term : (06.10.2021 to 22.02.2022) (Odd Semester)

Weekly Lesson Plan : UG (IIIrd Semester)

Name of the Paper:- ComputerArchitecture Class: BCA II Year

Name of the Teachers (Section wise): Prof. Ritu

WEEK	DATE	TOPICS
1	October (6 - 9)	Basic computer oragnizaton and design
		HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
SUNDAY - 10.10.2021		
2	October (11-16)	Instruction code
		Instruction code
		Computer Register
		HOLIDAY - 15.10.2021 - DUSSEHRA
SUNDAY - 17.10.2021		
3	October (18-23)	Computer Register
		Computer Register
		Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
SUNDAY - 24.10.2021		
4	October (25 -30)	**Test**
		Computer instructions
		Computer instructions
VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK		
5	November (8 -13)	Timing and control
		Timing and control
		Instruction cycle
SUNDAY - 14.11.2021		

6	November (15 -20)	Memory reference instructions
		Memory reference instructions
		Input-Output and interuppt
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti
SUNDAY - 21.11.2021		
7	November (22-27)	Design of basic computer
		Design of basic computer
		unit revision
SUNDAY - 28.11.2021		
8	November (29-30) December (1-4)	Test
		Design of accumlator logic,Register transfer
		Design of accumlator logic,Register transfer
SUNDAY - 5.12.2021		
9	December (6-11)	Register transfer and microoperation,RTL
		Register transfer,Bus and memory transfer
		Arithmetic micro operation
SUNDAY - 12.12.2021		
10	December (13-18)	Assignment
		Logic micro operation
		Shift micro operation
SUNDAY - 19.12.2021		
11	December (20-25)	Arithmetic logic shift unit
		Micro programmed control
		Control memory
		Holiday -25.12.2021 - Christmas
SUNDAY - 26.12.2021		

12	December (27-31)	Adress sequencing
		Microprogram sequencer
		Microprogram sequencer
	January (1)	
SUNDAY -02.01.2022		
13	January (3-8)	Design of control unit
		Test
		Central processing unit
SUNDAY - 09.01.2022		
14	January (10-15)	General register oragnization
		Stack Oraganization
		Instruction format
SUNDAY - 16.01.2022		
15	January (17-22)	Adressing modes
		Adressing modes
		Adressing modes
SUNDAY - 23.01.2022		
16	January (24-29)	Data transfer and manipulation
		program interuppt
		Holiday - 26.01.2022 - Republic day
SUNDAY - 30.01.2022		

17	**January(31)**	RISC,CISC
	February(1-4)	Memory hierarchy
		Auxilliary memory
Holiday - 05.02.2022 - Vasant Panchami		
SUNDAY - 6.02.2022		
18	**February (7-12)**	Associative memory
		Interleaved memory,cache memory
		Peripheral devices,input output interface
		SUNDAY - 13.02.2022
19	**February (14-19)**	Peripheral devices,input output interface
		Modes of transfer,IOP
		,Priority interupt
		SUNDAY - 20.02.2022
20	**February (21-22)**	IOP
		Revision

I.B. (PG) COLLEGE, PANIPAT
(SESSION 2021-2022)

Teaching Term : (06.10.2021 to 22.02.2022) (Odd Semester)

Weekly Lesson Plan UG (IIIrd Semester)

Name of the Paper:- SOFTWARE ENGINEERING Class: BCA II Year

Name of the Teachers (Section wise): Dr.Ranju

WEEK	DATE	TOPICS
1	October (6 - 9)	TIME-TABLE DISPLAY & DISCUSSION
		HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
SUNDAY - 10.10.2021		
2	October (11-16)	Syllabus Discussion
		Program vs. S/W,Software eng.
		Programming paradigms
		HOLIDAY - 15.10.2021 - DUSSEHRA
SUNDAY - 17.10.2021		
3	October (18-23)	Software crisis
		Phases in Software engineering
		Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
SUNDAY - 24.10.2021		
4	October (25 -30)	Waterfall model
		Prototype model,Evolutionary model
		Contd..
VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK		
5	November (8 -13)	Spiral model
		Role of matrics
		Feasibility study,Introduction of SRS
SUNDAY - 14.11.2021		

6	November (15 -20)	Need of SRS,Characterstics of SRS
		Components of SRS,Problem Analysis
		Information Gathering Tools
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti
SUNDAY - 21.11.2021		
7	November (22-27)	Information Gathering Tools
		Organising and Structuring information
		Requierment Specification,Validation
SUNDAY - 28.11.2021		
8	November (29-30) December (1-4)	Matrics
		Structured Analysis and Tools: DFD
		Data dictionary,Decision Table,Decision Tree
SUNDAY - 5.12.2021		
9	December (6-11)	Structured English,E-R Diagrams
		COCOMO model
		Project Scheduling,Staffing
SUNDAY - 12.12.2021		
10	December (13-18)	Quality assurance plans
		Project monitoring plans
		Risk management
SUNDAY - 19.12.2021		
11	December (20-25)	Risk management contd..
		Problem discussion
		conditional test
		Holiday -25.12.2021 - Christmas
SUNDAY - 26.12.2021		

12	December (27-31)	Testing strategies: Unit testing,Integration testing
		V And V, System Testing
		Alpha testing and Beta testing
	January (1)	
SUNDAY -02.01.2022		
13	January (3-8)	Black box testing
		Black box testing
		white box testing
SUNDAY - 09.01.2022		
14	January (10-15)	white box testing
		Cyclomatic Comolexity
		Assignment II
SUNDAY - 16.01.2022		
15	January (17-22)	Introduction of Maintenance,Type of maintenance
		Management of maintenance
		Problem discussion
SUNDAY - 23.01.2022		
16	January (24-29)	Maintenance Process
		Maintenance Characterstics
		Holiday - 26.01.2022 - Republic day
SUNDAY - 30.01.2022		

17	**January(31)**	Revision
	February(1-4)	CLASS TEST
		discussion
Holiday - 05.02.2022 - Vasant Panchami		
SUNDAY - 6.02.2022		
18	**February (7-12)**	Revision
		CLASS TEST
		discussion
		SUNDAY - 13.02.2022
19	**February (14-19)**	Revision
		CLASS TEST
		discussion
		SUNDAY - 20.02.2022
20	**February (21-22)**	Revision
		Revision

I.B. (PG) COLLEGE, PANIPAT
(SESSION 2021-2022)

Teaching Term : (06.10.2021 to 22.02.2022) (Odd Semester)

Weekly Lesson Plan UG (IIIrd Semester)

Name of the Paper:- DBMS (4-6 DAYS) Class: B.C.A. II Year

Name of the Teachers (Section wise): NITIKA GOEL

WEEK	DATE	TOPICS
1	October (6 - 9)	
		HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
		GENERAL INTRODUCTION
		INTRO OF SUBJECT
SUNDAY - 10.10.2021		
2	October (11-16)	
		BASIC CONCEPTS
		HOLIDAY - 15.10.2021 - DUSSEHRA
		DATA , INFORMATION, FILES
SUNDAY - 17.10.2021		
3	October (18-23)	
		Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
		TRADITIONAL FILE BASED SYSTEM
		CONTINUE
		REVISE
SUNDAY - 24.10.2021		
4	October (25 -30)	
		DBMS, CHARACTERISTICS
		COMPONENTS OF DBMS ENVIORNMENT
		DBMS FUNCTIONS
VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK		
5	November (8 -13)	
		COMPONENTS OF DBMS
		ADVANTAGES AND DISADVANTAGES OF DBMS
		GENERAL DISCUSSION
SUNDAY - 14.11.2021		

6	November (15 -20)	
		ROLES IN DBMS ENVIORNMENT
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti
		CONTINUE
SUNDAY - 21.11.2021		
7	November (22-27)	
		DATABASE DESIGNERS , APPLICATIONS DEVELOPERS AND USERS
		DBMS ARCHITECTURE
		CONTINUE
SUNDAY - 28.11.2021		
8	November (29-30) December (1-4)	
		COCEPTUAL AND INTERNAL LEVEL
		SCHEMAS
		MAPPINGS AND INSTANCES
SUNDAY - 5.12.2021		
9	December (6-11)	
		DATA INDEPENDENCE
		TEST
		REVISE
SUNDAY - 12.12.2021		
10	December (13-18)	
		CLASSIFICATION OF DBMS
		CENTRALIZED AND CLIENT SERVER ARCHITECTURE TO DBMS
		PROBLEMS DISCUSSED
SUNDAY - 19.12.2021		
11	December (20-25)	
		DATA MODELS
		RECORD BASED DATA MODELS
		Holiday -25.12.2021 - Christmas
SUNDAY - 26.12.2021		

12	December (27-31)	
		OBJECT BASED DATA MODEL
		PHYSICAL DATA MODEL , CONCEPTUAL MODELING
	January (1)	ENTITY RELATIONSHIP MODEL
SUNDAY -02.01.2022		
13	January (3-8)	
		ENTITY SET , TYPE, ATTRIBUTES TYPES RELATION
		CONTINUE
		REVISION
SUNDAY - 09.01.2022		
14	January (10-15)	
		RELATIONSHIP INSTANCES
		E -R DIAGRAMS
		TEST
SUNDAY - 16.01.2022		
15	January (17-22)	
		RELATIONAL DATA MODEL
		TERMONOLOGY IN RELATIONAL DATA STRUCTURE
		RELATIONS, PROPERTIES , KEYS, DOMAINS
SUNDAY - 23.01.2022		
16	January (24-29)	
		Holiday - 26.01.2022 - Republic day
		INTEGRITY CONSTRAINTS OVER RELATIONS
		BASE TABLES AND VIEWS
		REVISE
SUNDAY - 30.01.2022		

17	January(31)	
	February(1-4)	
		COCEPT OF HIREARCHICAL DATA MODEL
		CONTINUE
Holiday - 05.02.2022 - Vasant Panchami		
SUNDAY - 6.02.2022		
18	February (7-12)	
		CONCEPT OF NETWORK DATA MODEL
		CONTINUE
		PRESENTATION OF TOPICS
		SUNDAY - 13.02.2022
19	February (14-19)	
		QUESTION PAPERS DISCUSSED
		REVISION
		REVISION
		SUNDAY - 20.02.2022
20	February (21-22)	

I.B. (PG) COLLEGE, PANIPAT
(SESSION 2021-2022)

Teaching Term : (06.10.2021 to 22.02.2022) (Odd Semester)

Weekly Lesson Plan UG (IIIrd Semester)

Name of the Paper:- Numerical Analysis Class: BCA-II

Name of the Teachers (Section wise): ASHWANI GUPTA

WEEK	DATE	TOPICS
1	October (6 - 9)	
		HOLIDAY - 07.10.2021 - Maharaja Agarsen Jayanti
		Introduction
		Introduction
SUNDAY - 10.10.2021		
2	October (11-16)	Iterative Methods: Bisection, False position, Newton-Raphson method.
		Iterative Methods: Bisection, False position, Newton-Raphson method.
		Iterative Methods: Bisection, False position, Newton-Raphson method.
		Iteration method, discussion of convergence, Bairstow's method.
		HOLIDAY - 15.10.2021 - DUSSEHRA
		Iteration method, discussion of convergence, Bairstow's method.
SUNDAY - 17.10.2021		
3	October (18-23)	Gauss-Elimination methods, pivoting, Ill-conditioned
		Gauss-Elimination methods, pivoting, Ill-conditioned
		Holiday - 20.10.2021 - Maharishi Valmiki Jayanti
		Refinement of solution
		Refinement of solution
		Refinement of solution
SUNDAY - 24.10.2021		
4	October (25 -30)	Newton Raphson Square Root, Cube Root, Inverse , Inverse Square Root
		Newton Raphson Square Root, Cube Root, Inverse , Inverse Square Root
		Newton Raphson Square Root, Cube Root, Inverse , Inverse Square Root
		LEAVE
		LEAVE
		LEAVE
VACATIONS: 31.10.2021 to 07.11.2021 - DIWALI BREAK		

5	November (8 -13)	Gauss-Seidal iterative method
		Gauss-Seidal iterative method
		Gauss-Seidal iterative method
		Computer Arithmetic: Floating-point representation of numbers,
		Computer Arithmetic: Floating-point representation of numbers,
		Computer Arithmetic: Floating-point representation of numbers,
SUNDAY - 14.11.2021		
6	November (15 -20)	arithmetic operations with normalized floating-point numbers and their consequences, significant figures
		arithmetic operations with normalized floating-point numbers and their consequences, significant figures
		arithmetic operations with normalized floating-point numbers and their consequences, significant figures
		arithmetic operations with normalized floating-point numbers and their consequences, significant figures
		Holiday -19.11.2021 - Guru Nanak Dev Jayanti
		arithmetic operations with normalized floating-point numbers and their consequences, significant figures
SUNDAY - 21.11.2021		
7	November (22-27)	Error in number representation-inherent error, truncation, absolute,relative, percentage and round-off error.
		Error in number representation-inherent error, truncation, absolute,relative, percentage and round-off error.
		Error in number representation-inherent error, truncation, absolute,relative, percentage and round-off error.
		Error in number representation-inherent error, truncation, absolute,relative, percentage and round-off error.
		Error in number representation-inherent error, truncation, absolute,relative, percentage and round-off error.
		Error in number representation-inherent error, truncation, absolute,relative, percentage and round-off error.
SUNDAY - 28.11.2021		
8	November (29-30) December (1-4)	Assignment No 1
		Doubt Session
		Euler method, Euler modified method, Taylor-series method,
		Euler method, Euler modified method, Taylor-series method,
		Euler method, Euler modified method, Taylor-series method,
		Euler method, Euler modified method, Taylor-series method,
SUNDAY - 5.12.2021		

9	December (6-11)	Euler method, Euler modified method, Taylor-series method,
		Euler method, Euler modified method, Taylor-series method,
		Runge-Kutta methods, Predictor-Corrector methods.
		Runge-Kutta methods, Predictor-Corrector methods.
		Runge-Kutta methods, Predictor-Corrector methods.
		Runge-Kutta methods, Predictor-Corrector methods.
SUNDAY - 12.12.2021		
10	December (13-18)	Interpolation and Approximation:
		Polynomial interpolation: Newton, Lagranges, Difference tables,
		Interpolation and Approximation:
		Polynomial interpolation: Newton, Lagranges, Difference tables,
		Interpolation and Approximation:
		Polynomial interpolation: Newton, Lagranges, Difference tables,
SUNDAY - 19.12.2021		
11	December (20-25)	Approximation of functions by Taylor Series.
		Approximation of functions by Taylor Series.
		Approximation of functions by Taylor Series.
		Chebyshev polynomial: First kind, Second kind and their relations,
		Chebyshev polynomial: First kind, Second kind and their relations,
		Holiday -25.12.2021 - Christmas
SUNDAY - 26.12.2021		
12	December (27-31)	Chebyshev polynomial: First kind, Second kind and their relations,
		Chebyshev polynomial: First kind, Second kind and their relations,
		Chebyshev polynomial: First kind, Second kind and their relations,
		Chebyshev polynomial: First kind, Second kind and their relations,
		Doubt Session
	January (1)	Doubt Session
SUNDAY -02.01.2022		
13	January (3-8)	Numerical Differentiation and integration: Differentiation formulae
		based on polynomial fit, pitfalls in differentiation
		Numerical Differentiation and integration: Differentiation formulae
		based on polynomial fit, pitfalls in differentiation
		Numerical Differentiation and integration: Differentiation formulae
		based on polynomial fit, pitfalls in differentiation
SUNDAY - 09.01.2022		

14	January (10-15)	Numerical Differentiation and integration: Differentiation formulae
		based on polynomial fit, pitfalls in differentiation
		Numerical Differentiation and integration: Differentiation formulae
		based on polynomial fit, pitfalls in differentiation
		Numerical Differentiation and integration: Differentiation formulae
		based on polynomial fit, pitfalls in differentiation
SUNDAY - 16.01.2022		
15	January (17-22)	Trapezoidal &
		Simpson Rules, Gaussian Quadrature.
		Trapezoidal &
		Simpson Rules, Gaussian Quadrature.
		Trapezoidal &
		Simpson Rules, Gaussian Quadrature.
SUNDAY - 23.01.2022		
16	January (24-29)	Trapezoidal &
		Simpson Rules, Gaussian Quadrature.
		Holiday - 26.01.2022 - Republic day
		Trapezoidal &
		Simpson Rules, Gaussian Quadrature.
		Doubt Session
SUNDAY - 30.01.2022		
14	**January(31)**	**Assignment No 2**
	February(1-4)	**Conditional Test**
		Revision Unit I
		Revision Unit I
		Revision Unit I
Holiday - 05.02.2022 - Vasant Panchami		
SUNDAY - 6.02.2022		
15	February (7-12)	**Revision Unit II**
		Revision Unit II
		Revision Unit II
		Revision Unit II
		Revision Unit II
		Revision Unit II
		SUNDAY - 13.02.2022

16	February (14-19)	**Revision Unit III**
		Revision Unit III
		Revision Unit III
		Revision Unit III
		Revision Unit III
		Revision Unit IV
		SUNDAY - 20.02.2022
17	February (21-22)	**Revision Unit IV**
		Revision Unit IV