

LESSON PLANS

DEPARTMENT

OF

BCA & M.Sc.(CS)

SESSION :2021-2022

(ODD SESSION)

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name of the Associate/Assistant Professor: Dr.Neha Jain

Class and Section: BCA 3st Year , Section – A + B

Subject: VISUAL PROGRAMMING

Mode of Teaching: Offline

Lectures Per Week: 30

Date	Topic to be Covered
01-Oct-21	Introduction to VB: Visual & non-visual programming,
02-Oct-21	GANDHI JAYANTI
03-Oct-21	SUNDAY
04-Oct-21	Procedural,
05-Oct-21	Object-oriented and event driven programming languages,
06-Oct-21	The VB environment:Menu bar, Toolbar, Project explorer
07-Oct-21	Maharaja Agarsen Jayanti
08-Oct-21	Toolbox, Properties window,
09-Oct-21	Form designer,
10-Oct-21	SUNDAY
11-Oct-21	Form layout,
12-Oct-21	Immediate window.
13-Oct-21	Visual Development and Event Driven programming.
14-Oct-21	Revision unit 1
15-Oct-21	Dussehra
16-Oct-21	Test revision 1
17-Oct-21	SUNDAY
18-Oct-21	Basics of Programming: Variables: Declaring variables,
19-Oct-21	Types of variables,
20-Oct-21	Maharishi Valmiki Jayanti
21-Oct-21	Converting variables types
22-Oct-21	User defined types,
23-Oct-21	Forcing variable declaration,
24-Oct-21	SUNDAY

25-Oct-21	Scope & lifetime of variables
26-Oct-21	Constants: Named & intrinsic. operators
27-Oct-21	
28-Oct-21	Arithmetic, Relational & Logical
29-Oct-21	I/O in VB:
30-Oct-21	Various controls for I/O in VB,
31-Oct-21	SUNDAY
01-Nov-21	
02-Nov-21	
03-Nov-21	Diwali Break
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Message box, Input Box, Print statement
09-Nov-21	Revision unit 2
10-Nov-21	Test unit 2
11-Nov-21	Programming with VB: Decisions and conditions:
12-Nov-21	If statement,
13-Nov-21	If-then-else,
14-Nov-21	SUNDAY
15-Nov-21	Select-case.
16-Nov-21	Looping statements: Do-loops,
17-Nov-21	
18-Nov-21	
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	For-next,
21-Nov-21	SUNDAY
22-Nov-21	While-wend,
23-Nov-21	Exit statement.
24-Nov-21	Nested control structure
25-Nov-21	Arrays: Declaring and using arrays,
26-Nov-21	one-dimensional and multi-dimensional array
27-Nov-21	Static & dynamic arrays,
28-Nov-21	SUNDAY
29-Nov-21	Arrays of array.
30-Nov-21	Event:computer security day
1-Dec-21	Collections: Adding,
2-Dec-21	Event:computer literacy day
3-Dec-21	Adding, Removing,
4-Dec-21	Processing a collection.

5-Dec-21	SUNDAY
6-Dec-21	Returning items in a collection,
7-Dec-21	Assignment unit 3
8-Dec-21	Revision unit 3
9-Dec-21	Test unit 3
10-Dec-21	Revise unit 1
11-Dec-21	Revise unit 1
12-Dec-21	SUNDAY
13-Dec-21	Revise unit 2
14-Dec-21	Revise unit 2
15-Dec-21	Test unit 2
16-Dec-21	Revise unit 3
17-Dec-21	Revise unit 3
18-Dec-21	Test unit 3
19-Dec-21	Sunday
20-Dec-21	Programming with VB: Procedures:
21-Dec-21	General & event procedures,
22-Dec-21	Subroutines,
23-Dec-21	Functions,
24-Dec-21	Calling procedures,
25-Dec-21	CHRISTMAS DAY
26-Dec-21	SUNDAY
27-Dec-21	Arguments- passing mechanisms,
28-Dec-21	Optional arguments,
29-Dec-21	Named arguments,
30-Dec-21	Functions returning custom data types,
31-Dec-21	Functions returning arrays.
1-Jan-22	Working with forms and menus
2-Jan-22	SUNDAY
3-Jan-22	Adding multiple forms in VB,
4-Jan-22	Hiding & showing forms,
5-Jan-22	Load & unload statements, creating menu, submenu, popup menus,
6-Jan-22	Activate & deactivate menus
7-Jan-22	Form-load event,
8-Jan-22	menu designing in VB Simple programs in VB.
9-Jan-22	GURU GOBIND SINGH JAYANTI (SUNDAY)
10-Jan-22	Revision
11-Jan-22	Test unit 1
12-Jan-22	Revision
13-Jan-22	Test unit 2
14-Jan-22	Revision
15-Jan-22	Revision

16-Jan-22	Sunday
17-Jan-22	Test unit 3
18-Jan-22	Revision
19-Jan-22	Revision
20-Jan-22	Revision
21-Jan-22	Test unit 4
22-Jan-22	Revision
23-Jan-22	SUNDAY
24-Jan-22	Revision
25-Jan-22	Revision
26-Jan-22	REPUBLIC DAY
27-Jan-22	Revision
28-Jan-22	Test of Unit - 4
29-Jan-22	Revision

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name of the Associate/Assistant Professor: Ms. Sandhya Chaudhary

Class and Section: BCA 2nd YEAR

Subject: Operating System

Mode of Teaching: Offline

Lectures Per Week: 6

Date	Topic to be Covered
01-Oct-21	Fundamentals of Operating system: Introduction to Operating System, its need and
02-Oct-21	GANDHI JAYANTI
03-Oct-21	SUNDAY
04-Oct-21	Fundamentals of Operating system: Introduction to Operating System, its need and
05-Oct-21	Fundamentals of Operating system: Introduction to Operating System, its need and
06-Oct-21	operating System services, Early systems, Structures - Simple Batch, Multi programmed, timeshared, Personal Computer, Parallel, Distributed Systems, Real-Time Systems
07-Oct-21	Maharaja Agarsen Jayanti
08-Oct-21	operating System services, Early systems, Structures - Simple Batch, Multi programmed, timeshared, Personal Computer, Parallel, Distributed Systems, Real-Time Systems
09-Oct-21	operating System services, Early systems, Structures - Simple Batch, Multi programmed, timeshared, Personal Computer, Parallel, Distributed Systems, Real-Time Systems
10-Oct-21	SUNDAY
11-Oct-21	operating System services, Structures - Simple Batch, Multi programmed, timeshared, Personal Computer, Parallel, Distributed Systems, Real-Time Systems
12-Oct-21	operating System services, Early systems, Structures - Simple Batch, Multi programmed, timeshared, Personal Computer, Parallel, Distributed Systems, Real-Time Systems
13-Oct-21	Process Management: Process concept, Operation on processes, Cooperating Processes, Threads, and Inter-process Communication
14-Oct-21	Process Management: Process concept, Operation on processes, Cooperating Processes, Threads, and Inter-process Communication
15-Oct-21	Dussehra
16-Oct-21	Process Management: Process concept, Operation on processes, Cooperating Processes, Threads, and Inter-process Communication
17-Oct-21	SUNDAY
18-Oct-21	Process Management: Process concept
19-Oct-21	Process Management: Process concept
20-Oct-21	Maharishi Valmiki Jayanti
21-Oct-21	ASSIGNMENT
22-Oct-21	REVISION

23-Oct-21	Cooperating Processes
24-Oct-21	SUNDAY
25-Oct-21	Cooperating Processes
26-Oct-21	Threads, and Inter-process Communication
27-Oct-21	Threads, and Inter-process Communication
28-Oct-21	CPU Scheduling: Basic concepts
29-Oct-21	Scheduling criteria, Scheduling algorithms : FCFS, SJF, Round Robin & Queue Algorithms.
30-Oct-21	Early systems
31-Oct-21	SUNDAY
01-Nov-21	
02-Nov-21	
03-Nov-21	Diwali Break
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Scheduling criteria,
09-Nov-21	Scheduling algorithms : FCFS
10-Nov-21	Scheduling algorithms : FCFS
11-Nov-21	SJF, Round Robin & Queue
12-Nov-21	SJF, Round Robin & Queue
13-Nov-21	SJF, Round Robin & Queue
14-Nov-21	SUNDAY
15-Nov-21	
16-Nov-21	Deadlocks: Deadlock characterization
17-Nov-21	Deadlocks: Deadlock characterization
18-Nov-21	Deadlock methods
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	CLASS TEST
21-Nov-21	SUNDAY
22-Nov-21	Methods for handling deadlocks, Banker'sAlgorithm.
23-Nov-21	Methods for handling deadlocks, Banker'sAlgorithm.
24-Nov-21	Methods for handling deadlocks
25-Nov-21	ASSIGNMENT
26-Nov-21	Banker'sAlgorithm.
27-Nov-21	Banker'sAlgorithm.
28-Nov-21	SUNDAY
29-Nov-21	Memory Management: Logical versus Physical address space
30-Nov-21	Memory Management: Logical versus Physical address space
1-Dec-21	

2-Dec-21	Swapping, Contiguous allocation, Paging, Segmentation.
3-Dec-21	Swapping, Contiguous allocation, Paging, Segmentation
4-Dec-21	Swapping, Contiguous allocation, Paging, Segmentation
5-Dec-21	SUNDAY
6-Dec-21	CLASS TEST
7-Dec-21	Virtual Memory: Demand paging,
8-Dec-21	Virtual Memory: Demand paging,
9-Dec-21	Virtual Memory: Demand paging,
10-Dec-21	demand paging
11-Dec-21	demand paging
12-Dec-21	SUNDAY
13-Dec-21	Performance of demand paging,
14-Dec-21	Performance of demand paging
15-Dec-21	Page replacement, Page replacement algorithms, Thrashing.
16-Dec-21	Page replacement, Page replacement algorithms, Thrashing.
17-Dec-21	Thrashing.
18-Dec-21	Thrashing.
19-Dec-21	SUNDAY
20-Dec-21	File management: File system Structure
21-Dec-21	File system Structure
22-Dec-21	Allocation methods: Contiguous allocation,
23-Dec-21	Linked allocation
24-Dec-21	Indexed allocation
25-Dec-21	CHRISTMAS DAY
26-Dec-21	SUNDAY
27-Dec-21	Free space management: Bit vector
28-Dec-21	Linked list
29-Dec-21	Linked list
30-Dec-21	Grouping,
31-Dec-21	Counting.
1-Jan-22	Device Management: Disk structure
2-Jan-22	SUNDAY
3-Jan-22	Disk structure
4-Jan-22	Disk scheduling: FCFS,.
5-Jan-22	SSTF, SCAN,
6-Jan-22	C-SCAN, LOOK, C-LOOK
7-Jan-22	C-SCAN, LOOK, C-LOOK
8-Jan-22	REVISION
9-Jan-22	GURU GOBIND SINGH JAYANTI (SUNDAY)
10-Jan-22	REVISION
11-Jan-22	REVISION
12-Jan-22	REVISION
13-Jan-22	REVISION

14-Jan-22	REVISION
15-Jan-22	REVISION
16-Jan-22	SUNDAY
17-Jan-22	REVISION
18-Jan-22	REVISION
19-Jan-22	REVISION
20-Jan-22	REVISION
21-Jan-22	REVISION
22-Jan-22	REVISION
23-Jan-22	SUNDAY
24-Jan-22	REVISION
25-Jan-22	REVISION
26-Jan-22	REPUBLIC DAY
27-Jan-22	REVISION
28-Jan-22	REVISION
29-Jan-22	REVISION

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name of the Associate/Assistant Professor: Ms.NEETU

Class and Section: BCA-2nd Year

Subject: Introduction to Database System(BCA-203)

Mode of Teaching:Online/Offline

Lectures Per Week:6

Date	Topic to be Covered
01-Oct-21	Data, Information, Records and files
02-Oct-21	GANDHI JAYANTI
03-Oct-21	SUNDAY
04-Oct-21	Traditional file –based Systems-File Based Approach
05-Oct-21	Limitations of File Based Approach
06-Oct-21	Database Approach
07-Oct-21	Maharaja Agarsen Jayanti
08-Oct-21	Characteristics of Database Approach, advantages and disadvantages of database system
09-Oct-21	Characteristics of Database Approach, advantages and disadvantages of database system
10-Oct-21	SUNDAY
11-Oct-21	Revision
12-Oct-21	components of database system, Database Management System (DBMS),
13-Oct-21	components of database system, Database Management System
14-Oct-21	components of database system, Database Management System
15-Oct-21	Dussehra
16-Oct-21	Test
17-Oct-21	SUNDAY
18-Oct-21	Components of DBMS Environment
19-Oct-21	Components of DBMS Environment
20-Oct-21	Maharishi Valmiki Jayanti
21-Oct-21	DBMS Functions and Components
22-Oct-21	DBMS Functions and Components
23-Oct-21	DBMS users
24-Oct-21	SUNDAY
25-Oct-21	Advantages and Disadvantages of DBMS
26-Oct-21	Advantages and Disadvantages of DBMS
27-Oct-21	DBMS language

28-Oct-21	Revision
29-Oct-21	Roles in the Database Environment
30-Oct-21	Roles in the Database Environment
31-Oct-21	SUNDAY
01-Nov-21	Diwali Break
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Test
09-Nov-21	Data and Database Administrator
10-Nov-21	Database Designers
11-Nov-21	Applications Developers and Users
12-Nov-21	Applications Developers and Users
13-Nov-21	Revision
14-Nov-21	SUNDAY
15-Nov-21	Database System Architecture
16-Nov-21	Database System Architecture
17-Nov-21	Three Levels of Architecture, External, Conceptual and Internal Levels
18-Nov-21	Three Levels of Architecture, External, Conceptual and Internal Levels
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	Three Levels of Architecture, External, Conceptual and Internal Levels
21-Nov-21	SUNDAY
22-Nov-21	Schemas
23-Nov-21	Mappings and Instances
24-Nov-21	Mappings and Instances
25-Nov-21	Data Independence – Logical and Physical Data Independence
26-Nov-21	Data Independence – Logical and Physical Data Independence
27-Nov-21	Revision
28-Nov-21	SUNDAY
29-Nov-21	Classification of Database Management System
30-Nov-21	Classification of Database Management System

1-Dec-21	Centralized and Client Server architecture to DBMS
2-Dec-21	Centralized and Client Server architecture to DBMS
3-Dec-21	Data Models
4-Dec-21	Test
5-Dec-21	SUNDAY
6-Dec-21	Records- based Data Models, Object-based Data Models
7-Dec-21	Records- based Data Models, Object-based Data Models
8-Dec-21	Physical Data Models and Conceptual Modeling
9-Dec-21	Physical Data Models and Conceptual Modeling
10-Dec-21	Entity-Relationship Model
11-Dec-21	Entity-Relationship Model
12-Dec-21	SUNDAY
13-Dec-21	Entity Types, Entity Sets, Attributes Relationship Types
14-Dec-21	Entity Types, Entity Sets, Attributes Relationship Types
15-Dec-21	Relationship Instances and ER Diagrams
16-Dec-21	Relationship Instances and ER Diagrams
17-Dec-21	abstraction and integration.
18-Dec-21	Revision
19-Dec-21	SUNDAY
20-Dec-21	Basic Concepts of Hierarchical and Network Data Model
21-Dec-21	Basic Concepts of Hierarchical and Network Data Model
22-Dec-21	Relational Data Model
23-Dec-21	Relational Data Model
24-Dec-21	Test
25-Dec-21	CHRISTMAS DAY
26-Dec-21	SUNDAY
27-Dec-21	Brief History, Relational Model Terminology
28-Dec-21	Brief History, Relational Model Terminology
29-Dec-21	Relational Data Structure
30-Dec-21	Relational Data Structure
31-Dec-21	Database Relations
1-Jan-22	Database Relations
2-Jan-22	SUNDAY
3-Jan-22	Properties of Relations
4-Jan-22	Keys, Domains
5-Jan-22	Keys, Domains
6-Jan-22	Integrity Constraints over Relations
7-Jan-22	Integrity Constraints over Relations
8-Jan-22	Revision
9-Jan-22	GURU GOBIND SINGH JAYANTI (SUNDAY)
10-Jan-22	Relational algebra, Relational calculus, Relational database design
11-Jan-22	Functional dependencies, Modification anomalies, Ist to 3rd

	NFs, BCNF, 4th and 5th NFs
12-Jan-22	Functional dependencies, Modification anomalies, 1st to 3rd NFs, BCNF, 4th and 5th NFs
13-Jan-22	Functional dependencies, Modification anomalies, 1st to 3rd NFs, BCNF, 4th and 5th NFs
14-Jan-22	computing closures of set FDs,
15-Jan-22	SQL: Data types, Basic Queries in SQL, Insert, Delete and Update Statements, Views, Query processing
16-Jan-22	SUNDAY
17-Jan-22	Test
18-Jan-22	SQL: Data types, Basic Queries in SQL, Insert, Delete and Update Statements, Views, Query processing
19-Jan-22	SQL: Data types, Basic Queries in SQL, Insert, Delete and Update Statements, Views, Query processing
20-Jan-22	General strategies of query processing
21-Jan-22	query optimization
22-Jan-22	query processor
23-Jan-22	SUNDAY
24-Jan-22	concept of security
25-Jan-22	concurrency and recovery.
26-Jan-22	REPUBLIC DAY
27-Jan-22	Revision
28-Jan-22	Revision
29-Jan-22	Revision

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name of the Associate/Assistant Professor: Ms. Gurpreet Kaur

Class and Section: BCA-Ist Year , Section-A

Subject: PC-Software

Mode of Teaching:Offline

Lectures Per Week:6

Date	Topic to be Covered
01-Oct-21	MS-Windows: Operating system-Definition & functions
02-Oct-21	GANDHI JAYANTI
03-Oct-21	SUNDAY
04-Oct-21	Basics of Windows
05-Oct-21	Basic components of windows
06-Oct-21	Icons, types of icons
07-Oct-21	Maharaja Agrasen Jayanti
08-Oct-21	Taskbar, activating windows
09-Oct-21	Doubt Class
10-Oct-21	SUNDAY
11-Oct-21	Test
12-Oct-21	Using desktop, title bar, exploring computer
13-Oct-21	Running applications

14-Oct-21	Managing files and folders
15-Oct-21	Dussehra
16-Oct-21	Copying and moving files and folders.
17-Oct-21	SUNDAY
18-Oct-21	Control panel – display properties, screensaver and appearance
19-Oct-21	Adding and removing software and hardware
20-Oct-21	Maharishi Valmiki Jayanti
21-Oct-21	Setting date and time
22-Oct-21	Using windows accessories
23-Oct-21	Doubt Class
24-Oct-21	SUNDAY
25-Oct-21	Test
26-Oct-21	Documentation Using MS-Word - Introduction to word processing interface
27-Oct-21	Toolbars, Menus
28-Oct-21	Creating & Editing Document
29-Oct-21	Formatting Document
30-Oct-21	Doubt Class
31-Oct-21	SUNDAY
01-Nov-21	Diwali Break
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Test
09-Nov-21	Finding and replacing text
10-Nov-21	Format painter
11-Nov-21	Header and footer, Drop cap
12-Nov-21	Auto-text, Autocorrect
13-Nov-21	Spelling and Grammar Tool
14-Nov-21	SUNDAY
15-Nov-21	Document Dictionary
16-Nov-21	Page Formatting, Bookmark
17-Nov-21	Previewing and printing document
18-Nov-21	Advance Features of MS-Word-Mail Merge
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	Macros
21-Nov-21	SUNDAY
22-Nov-21	Tables
23-Nov-21	File Management, Printing, Styles
24-Nov-21	linking and embedding object, Template.
25-Nov-21	Electronic Spread Sheet using MS-Excel - Introduction to MS-Excel
26-Nov-21	Cell, cell address

27-Nov-21	Doubt Class
28-Nov-21	SUNDAY
29-Nov-21	Test
30-Nov-21	Formatting and Essential Operations
1-Dec-21	Creating & Editing Worksheet
2-Dec-21	Moving and copying data in excel,
3-Dec-21	Header and footer
4-Dec-21	Formulas and Functions
5-Dec-21	SUNDAY
6-Dec-21	Charts
7-Dec-21	Cell referencing,
8-Dec-21	Page setup
9-Dec-21	Macros
10-Dec-21	Advance features of MS-Excel-Pivot table & Pivot Chart
11-Dec-21	Linking and Consolidation
12-Dec-21	SUNDAY
13-Dec-21	Database Management using Excel-Sorting
14-Dec-21	Filtering, Validation
15-Dec-21	What if analysis with Goal Seek
16-Dec-21	Conditional formatting
17-Dec-21	Doubt Class
18-Dec-21	Doubt Class
19-Dec-21	SUNDAY
20-Dec-21	Test
21-Dec-21	Presentation using MS-PowerPoint: Presentations
22-Dec-21	Creating
23-Dec-21	Manipulating & Enhancing Slides
24-Dec-21	Organizational Charts
25-Dec-21	CHRISTMAS DAY
26-Dec-21	SUNDAY
27-Dec-21	Excel Charts
28-Dec-21	Excel Charts
29-Dec-21	Word Art
30-Dec-21	Word Art
31-Dec-21	Layering art Objects
1-Jan-22	Doubt Class
2-Jan-22	SUNDAY
3-Jan-22	Test
4-Jan-22	Layering art Objects
5-Jan-22	Animations and Sounds
6-Jan-22	Animations and Sounds
7-Jan-22	Inserting Animated Pictures or Accessing through Object
8-Jan-22	Doubt Class

9-Jan-22	GURU GOBIND SINGH JAYANTI (SUNDAY)
10-Jan-22	Test
11-Jan-22	Inserting Animated Pictures or Accessing through Object
12-Jan-22	Inserting Recorded Sound Effect
13-Jan-22	Inserting Recorded Sound Effect
14-Jan-22	In-Built Sound Effect
15-Jan-22	Doubt Class
16-Jan-22	SUNDAY
17-Jan-22	Test
18-Jan-22	In-Built Sound Effect
19-Jan-22	Doubt Class
20-Jan-22	Doubt Class
21-Jan-22	Test
22-Jan-22	Test
23-Jan-22	SUNDAY
24-Jan-22	Discussion of Previous Year Papers
25-Jan-22	Discussion of Previous Year Papers
26-Jan-22	REPUBLIC DAY
27-Jan-22	Discussion of Previous Year Papers
28-Jan-22	Discussion of Previous Year Papers
29-Jan-22	Discussion of Previous Year Papers

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name of the Associate/Assistant Professor: Ms. Gurpreet Kaur

Class and Section: BCA-IIInd Year , Section-A&B

Subject: Data Structures-I

Mode of Teaching: Offline

Lectures Per Week:6

Date	Topic to be Covered
01-Oct-21	Introduction: Elementary data organization
02-Oct-21	GANDHI JAYANTI
03-Oct-21	SUNDAY
04-Oct-21	Data Structure definition
05-Oct-21	Data type vs. data structure
06-Oct-21	Data type vs. data structure
07-Oct-21	Maharaja Agrasen Jayanti
08-Oct-21	Categories of data structures
09-Oct-21	Doubt Class
10-Oct-21	SUNDAY
11-Oct-21	Test
12-Oct-21	Categories of data structures
13-Oct-21	Data structure operations
14-Oct-21	Data structure operations
15-Oct-21	Dussehra
16-Oct-21	Applications of data structures
17-Oct-21	SUNDAY
18-Oct-21	Applications of data structures
19-Oct-21	Algorithms complexity and time-space tradeoff
20-Oct-21	Maharishi Valmiki Jayanti
21-Oct-21	Algorithms complexity and time-space tradeoff
22-Oct-21	Big-O notation
23-Oct-21	Doubt Class
24-Oct-21	SUNDAY
25-Oct-21	Test
26-Oct-21	Big-O notation
27-Oct-21	Strings: Introduction
28-Oct-21	Storing strings
29-Oct-21	Storing strings
30-Oct-21	Doubt Class
31-Oct-21	SUNDAY

01-Nov-21	
02-Nov-21	
03-Nov-21	Diwali Break
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Test
09-Nov-21	String operations
10-Nov-21	String operations
11-Nov-21	First Pattern matching algorithm
12-Nov-21	First Pattern matching algorithm
13-Nov-21	Doubt Class
14-Nov-21	SUNDAY
15-Nov-21	Doubt Class
16-Nov-21	Second Pattern matching algorithm
17-Nov-21	Second Pattern matching algorithm
18-Nov-21	Test
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	Revision Class
21-Nov-21	SUNDAY
22-Nov-21	Test
23-Nov-21	Arrays: Introduction
24-Nov-21	Linear arrays
25-Nov-21	Representation of linear array in memory
26-Nov-21	address calculations
27-Nov-21	Doubt Class
28-Nov-21	SUNDAY
29-Nov-21	Test
30-Nov-21	address calculations
1-Dec-21	Traversal
2-Dec-21	Insertions
3-Dec-21	Deletion in an array
4-Dec-21	Doubt Class
5-Dec-21	SUNDAY
6-Dec-21	Test
7-Dec-21	Multidimensional arrays
8-Dec-21	Multidimensional arrays
9-Dec-21	Parallel arrays
10-Dec-21	Parallel arrays
11-Dec-21	Doubt Class
12-Dec-21	SUNDAY
13-Dec-21	Sparse arrays

14-Dec-21	Linked List: Introduction
15-Dec-21	Array vs. linked list
16-Dec-21	Representation of linked lists in memory
17-Dec-21	Doubt Class
18-Dec-21	Doubt Class
19-Dec-21	SUNDAY
20-Dec-21	Test
21-Dec-21	Traversal
22-Dec-21	Insertion
23-Dec-21	Deletion ,Searching in a linked list
24-Dec-21	Header linked list
25-Dec-21	CHRISTMAS DAY
26-Dec-21	SUNDAY
27-Dec-21	Circular linked list
28-Dec-21	Two-way linked list
29-Dec-21	Threaded lists
30-Dec-21	Threaded lists
31-Dec-21	Applications of linked lists.
1-Jan-22	Applications of linked lists.
2-Jan-22	SUNDAY
3-Jan-22	Test
4-Jan-22	Stack: Introduction
5-Jan-22	Array and linked representation of stacks
6-Jan-22	Operations on stacks
7-Jan-22	Operations on stacks
8-Jan-22	Applications of stacks: Polish notation
9-Jan-22	GURU GOBIND SINGH JAYANTI (SUNDAY)
10-Jan-22	Recursion
11-Jan-22	Queues: Introduction
12-Jan-22	Array and linked representation of queues
13-Jan-22	Operations on queues
14-Jan-22	Deques
15-Jan-22	Priority Queues, Applications of queues
16-Jan-22	SUNDAY
17-Jan-22	Tree: Introduction, Definition
18-Jan-22	Representing Binary tree in memory,
19-Jan-22	Traversing binary trees
20-Jan-22	Traversal algorithms using stacks
21-Jan-22	Graph: Introduction
22-Jan-22	Graph theory terminology
23-Jan-22	SUNDAY
24-Jan-22	Sequential and linked representation of graphs
25-Jan-22	Doubt Class

26-Jan-22	REPUBLIC DAY
27-Jan-22	Doubt Class
28-Jan-22	Discussion of Previous Year Question Papers
29-Jan-22	Discussion of Previous Year Question Papers

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name of the Associate/Assistant Professor: Ms. SHIVANI GUPTA & Ms. PINKY

Class and Section: BCA 5th Sem(Sec A&B)

Subject: DATA COMMUNICATION AND NETWORKING

Mode of Teaching: Offline

Lectures Per Week:6

Date	Topic to be Covered
01-Oct-21	Orientation Of The Students
02-Oct-21	GANDHI JAYANTI
03-Oct-21	SUNDAY
04-Oct-21	Introduction Of The Syllabus
05-Oct-21	Unit wise introduction
06-Oct-21	Introduction to Computer Communications
07-Oct-21	Maharaja Agarsen Jayanti
08-Oct-21	Networking technologies
09-Oct-21	Uses of Computer Networks
10-Oct-21	SUNDAY
11-Oct-21	Network Devices
12-Oct-21	Nodes, and Hosts
13-Oct-21	Power Set
14-Oct-21	Types of Computer Networks
15-Oct-21	Dussehra
16-Oct-21	Types of Computer Networks
17-Oct-21	SUNDAY
18-Oct-21	Topologies
19-Oct-21	Network Software: Network Design issues
20-Oct-21	Maharishi Valmiki Jayanti
21-Oct-21	Protocols
22-Oct-21	Connection-Oriented and Connectionless Services
23-Oct-21	Network Applications
24-Oct-21	SUNDAY
25-Oct-21	Application Protocols
26-Oct-21	Computer Communications and Networking Models
27-Oct-21	Decentralized and Centralized Systems
28-Oct-21	Distributed Systems, Client/Server Model
29-Oct-21	Distributed Systems, Client/Server Model
30-Oct-21	Peer-to-Peer Model, Web-Based Model
31-Oct-21	SUNDAY
01-Nov-21	

02-Nov-21	
03-Nov-21	Diwali Break
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Network Architecture and the OSI Reference Model
09-Nov-21	TCP/IP reference model
10-Nov-21	X.25, Frame Relay, ATM.
11-Nov-21	Doubt class of unit 1
12-Nov-21	X.25, Frame Relay, ATM.
13-Nov-21	Class Test
14-Nov-21	SUNDAY
15-Nov-21	Analog Communications Concepts
16-Nov-21	Analog Communications Concepts
17-Nov-21	Analog Communications Concepts
18-Nov-21	Digital Communications Concepts
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	Digital Communications Concepts
21-Nov-21	SUNDAY
22-Nov-21	Concept of data, signal, channel, bid-rate
23-Nov-21	maximum data-rate of channel
24-Nov-21	Representing Data as Analog Signals
25-Nov-21	Representing Data as Digital Signals
26-Nov-21	Data Rate and Bandwidth
27-Nov-21	Capacity, Baud Rate
28-Nov-21	SUNDAY
29-Nov-21	Asynchronous and synchronous transmission
30-Nov-21	Modulation techniques, Digital Carrier Systems
1-Dec-21	Guided and Wireless Transmission Media
2-Dec-21	Class test of unit 1
3-Dec-21	Communication Satellites
4-Dec-21	Exercise
5-Dec-21	SUNDAY
6-Dec-21	Switching
7-Dec-21	Switching
8-Dec-21	Multiplexing
9-Dec-21	Multiplexing
10-Dec-21	Dialup Networking
11-Dec-21	Analog Modem Concepts, DSL Service.
12-Dec-21	SUNDAY
13-Dec-21	Doubt class of unit 2
14-Dec-21	Framing

15-Dec-21	Flow Control
16-Dec-21	Flow Control
17-Dec-21	Error Control with numerical
18-Dec-21	Error Control with numerical
19-Dec-21	SUNDAY
20-Dec-21	Error Detection and Correction(including numerical)
21-Dec-21	Sliding Window Protocols
22-Dec-21	Class test of Unit 2
23-Dec-21	Media Access Control: Random Access Protocols,
24-Dec-21	Token Passing protocols, Token Ring
25-Dec-21	CHRISTMAS DAY
26-Dec-21	SUNDAY
27-Dec-21	Introduction to LAN technologies: Ethernet, switched Ethernet
28-Dec-21	Doubt class
29-Dec-21	VLAN, fast Ethernet, gigabit Ethernet, token ring
30-Dec-21	FDDI, Wireless LANs, Bluetooth
31-Dec-21	Network Hardware Components: Connectors, Transceivers, Repeaters, Hubs, Network
1-Jan-22	Network Hardware Components: Connectors, Transceivers, Repeaters, Hubs, Network
2-Jan-22	SUNDAY
3-Jan-22	Interface Cards and PC Cards, Bridges, Switches, Routers, Gateways
4-Jan-22	Doubt class
5-Jan-22	Network Layer and Routing Concepts: Virtual Circuits and datagram
6-Jan-22	Routing Algorithms: Flooding
7-Jan-22	Shortest Path Routing
8-Jan-22	Class test of unit 3
9-Jan-22	GURU GOBIND SINGH JAYANTI (SUNDAY)
10-Jan-22	Distance Vector Routing
11-Jan-22	Link State Routing
12-Jan-22	Hierarchical Routing
13-Jan-22	Congestion Control Algorithms
14-Jan-22	Internetworking
15-Jan-22	Internetworking with examples
16-Jan-22	SUNDAY
17-Jan-22	Network Security Issues: Security threats
18-Jan-22	Encryption Methods
19-Jan-22	Authentication
20-Jan-22	Symmetric Key Algorithms
21-Jan-22	Public-Key Algorithms
22-Jan-22	Revision class
23-Jan-22	SUNDAY

24-Jan-22	Previous year paper discussion
25-Jan-22	Revision
26-Jan-22	REPUBLIC DAY
27-Jan-22	Previous year paper discussion
28-Jan-22	Revision
29-Jan-22	Revision

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name of the Associate/Assistant Professor: Ms. SHIVANI GUPTA

Class and Section: BCA 1st Sem(Sec A&B)

Subject: MATHEMATICS (BCA-103)

Mode of Teaching: Offline

Lectures Per Week: 6

Date	Topic to be Covered
01-Oct-21	Orientation Of The Students
02-Oct-21	GANDHI JAYANTI
03-Oct-21	SUNDAY
04-Oct-21	Introduction Of The Syllabus
05-Oct-21	Introduction Of The Sets
06-Oct-21	Introduction Of The Sets
07-Oct-21	Maharaja Agarsen Jayanti
08-Oct-21	Sets
09-Oct-21	SETS: Introduction
10-Oct-21	SUNDAY
11-Oct-21	Sets and its types: Equal Sets Universal Sets, Finite and Infinite Sets
12-Oct-21	Subsets
13-Oct-21	Power Set
14-Oct-21	Operation on Sets, Union, Intersection and Complements of Sets
15-Oct-21	Dussehra
16-Oct-21	Cardinality of Set
17-Oct-21	SUNDAY
18-Oct-21	Simple Applications
19-Oct-21	Simple Applications
20-Oct-21	Maharishi Valmiki Jayanti
21-Oct-21	Cartesian Product
22-Oct-21	Exercise
23-Oct-21	Exercise
24-Oct-21	SUNDAY

25-Oct-21	Class Test
26-Oct-21	MATRICES: Introduction
27-Oct-21	MATRICES: Introduction
28-Oct-21	Definition, Types of Matrices
29-Oct-21	Addition, Subtraction, Scalar Multiplication
30-Oct-21	Multiplication of Matrices
31-Oct-21	SUNDAY
01-Nov-21	Diwali Break
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Exercise
09-Nov-21	DETERMINANTS: Definition
10-Nov-21	Minors, Cofactors, Properties of Determinants
11-Nov-21	Applications of determinants in finding area of triangle
12-Nov-21	Solving a system of linear equations
13-Nov-21	Adjoint of Matrices
14-Nov-21	SUNDAY
15-Nov-21	Inverse of Matrices
16-Nov-21	Solving system of linear equation Cramer's Rule.
17-Nov-21	Exercise
18-Nov-21	Doubts Session
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	Relations and Functions: Introduction
21-Nov-21	SUNDAY
22-Nov-21	Properties of Relations
23-Nov-21	Equivalence Relation
24-Nov-21	Equivalence Relation
25-Nov-21	Exercise
26-Nov-21	Exercise
27-Nov-21	Doubts Session
28-Nov-21	SUNDAY
29-Nov-21	Class Test
30-Nov-21	Partial Order Relation
1-Dec-21	Exercise
2-Dec-21	Doubts Session
3-Dec-21	Function: Domain and Range

4-Dec-21	Exercise
5-Dec-21	SUNDAY
6-Dec-21	Onto, Into and One to One Functions
7-Dec-21	Composite and Inverse Functions
8-Dec-21	Exercise
9-Dec-21	Doubts Session
10-Dec-21	LIMITS & CONTINUITY: Introduction, Limit at a Point
11-Dec-21	Properties of Limit, Computation of Limits of Various Types of Functions
12-Dec-21	SUNDAY
13-Dec-21	Continuity of a function at a Point, Continuity Over an Interval
14-Dec-21	Sum, product and quotient of continuous functions
15-Dec-21	Intermediate Value Theorem
16-Dec-21	Type of Discontinuities
17-Dec-21	Exercise
18-Dec-21	Doubts Session
19-Dec-21	SUNDAY
20-Dec-21	DIFFERENTIATION: Derivative of a function
21-Dec-21	Derivatives of Sum, Differences, Product & Quotient of functions
22-Dec-21	Derivatives of Sum, Differences, Product & Quotient of functions
23-Dec-21	Derivatives of polynomial function, trigonometric function
24-Dec-21	Derivatives of exponential function, logarithmic function
25-Dec-21	CHRISTMAS DAY
26-Dec-21	SUNDAY
27-Dec-21	Derivatives of inverse trigonometric and implicit functions
28-Dec-21	Exercise
29-Dec-21	Logarithmic Differentiation
30-Dec-21	Chain Rule and differentiation by substitution
31-Dec-21	Exercise
1-Jan-22	INTEGRATION: Indefinite Integrals
2-Jan-22	SUNDAY
3-Jan-22	Methods of Integration by Substitution, By Parts
4-Jan-22	Partial Fractions
5-Jan-22	Integration of Algebraic and Transcendental Functions
6-Jan-22	Reduction Formulae for simple and Trigonometric Functions
7-Jan-22	Reduction Formulae for simple and Trigonometric

	Functions
8-Jan-22	Definite Integral as Limit of Sum
9-Jan-22	GURU GOBIND SINGH JAYANTI (SUNDAY)
10-Jan-22	Definite Integral as Limit of Sum
11-Jan-22	Fundamental Theorem of Integral Calculus
12-Jan-22	Fundamental Theorem of Integral Calculus
13-Jan-22	Evaluation of definite integrals by substitution
14-Jan-22	Evaluation of definite integrals by substitution
15-Jan-22	using properties of definite integral
16-Jan-22	SUNDAY
17-Jan-22	Exercise
18-Jan-22	Doubt Session
19-Jan-22	Doubt Session
20-Jan-22	Doubt Session
21-Jan-22	
22-Jan-22	
23-Jan-22	SUNDAY
24-Jan-22	Revision
25-Jan-22	Revision
26-Jan-22	REPUBLIC DAY
27-Jan-22	Revision
28-Jan-22	Revision
29-Jan-22	Revision

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name of the Associate/Assistant Professor: Ms. Kamiya Chugh

Class and Section: BCA 1st Year , Section – A + B

Subject: Logical Organization of Computer - I

Mode of Teaching: Offline

Lectures Per Week: 30

Date	Topic to be Covered
01-Oct-21	Introduction of the Syllabus
02-Oct-21	GANDHI JAYANTI
03-Oct-21	SUNDAY
04-Oct-21	Information Representation: Number Systems
05-Oct-21	Number Systems(Decimal to binary, hexadecimal, decimal, octal)
06-Oct-21	Number Systems(Decimal to binary, hexadecimal, decimal, octal)
07-Oct-21	Maharaja Agarsen Jayanti
08-Oct-21	Number Systems(Binary to hexadecimal, decimal, octal)
09-Oct-21	Number Systems(Binary to hexadecimal, decimal, octal)
10-Oct-21	SUNDAY
11-Oct-21	Number Systems(Octal to hexadecimal, binary, octal)
12-Oct-21	Number Systems(Octal to hexadecimal, binary, octal)
13-Oct-21	Practice of Number System Conversions
14-Oct-21	Introduction of Binary Arithmetic (Half Adder, Full Adder)
15-Oct-21	Dussehra
16-Oct-21	Introduction of Binary Arithmetic (Half Adder, Full Adder)
17-Oct-21	SUNDAY
18-Oct-21	Introduction of Binary Arithmetic (Half Subtractor, Full Subtractor)
19-Oct-21	Introduction of Binary Arithmetic (Half Subtractor, Full Subtractor)
20-Oct-21	Maharishi Valmiki Jayanti
21-Oct-21	Fixed-point numbers
22-Oct-21	Floating point representation of numbers
23-Oct-21	Introduction of Error Correction and Detection Code
24-Oct-21	SUNDAY
25-Oct-21	Parity Check Method
26-Oct-21	Hamming Code Detection Method
27-Oct-21	Character Representation – ASCII & EBCDIC
28-Oct-21	Character Representation – Unicode

29-Oct-21	Test of Unit - 1
30-Oct-21	Introduction to Binary Logic
31-Oct-21	SUNDAY
01-Nov-21	
02-Nov-21	
03-Nov-21	Diwali Break
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Boolean Algebra and its Properties
09-Nov-21	Boolean Theorems
10-Nov-21	Boolean Theorems
11-Nov-21	Boolean Functions and Truth Tables
12-Nov-21	Canonical and Standard forms of Boolean functions
13-Nov-21	Canonical and Standard forms of Boolean functions
14-Nov-21	SUNDAY
15-Nov-21	Simplification of Boolean Functions – Venn Diagram
16-Nov-21	Simplification of Boolean Functions - Karnaugh Maps.
17-Nov-21	Karnaugh Maps Practice(SOP)
18-Nov-21	Karnaugh Maps Practice(SOP)
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	Karnaugh Maps Practice(POS)
21-Nov-21	SUNDAY
22-Nov-21	Karnaugh Maps Practice(POS)
23-Nov-21	Introduction to digital logic
24-Nov-21	Introduction to digital logic
25-Nov-21	Basic Gates – AND, OR, NOT
26-Nov-21	Basic Gates – AND, OR, NOT
27-Nov-21	Universal Gates and their implementation – NAND, NOR
28-Nov-21	SUNDAY
29-Nov-21	Universal Gates and their implementation – NAND, NOR
30-Nov-21	Other Gates – XOR, XNOR
1-Dec-21	Test of Chapter - 1
2-Dec-21	AND-OR-INVERT implementation of digital circuits
3-Dec-21	AND-OR-INVERT implementation of digital circuits
4-Dec-21	OR-AND-INVERT implementation
5-Dec-21	SUNDAY
6-Dec-21	OR-AND-INVERT implementation
7-Dec-21	Multilevel NAND Circuit

8-Dec-21	Multilevel NAND Circuit
9-Dec-21	Multilevel NOR Circuit
10-Dec-21	Multilevel NOR Circuit
11-Dec-21	Combinational Logic – Characteristics
12-Dec-21	SUNDAY
13-Dec-21	Combinational Logic – Design Procedure
14-Dec-21	Combinational Logic – Design Procedure
15-Dec-21	Test of chapter 3
16-Dec-21	Half-Adder using Combinational Circuit
17-Dec-21	Half-Adder using Combinational Circuit
18-Dec-21	Full-Adder using Combinational Circuit
19-Dec-21	SUNDAY
20-Dec-21	Full-Adder using Combinational Circuit
21-Dec-21	Half-Subtractor using Combinational Circuit
22-Dec-21	Full-Subtractor using Combinational Circuit
23-Dec-21	Parallel binary adder
24-Dec-21	Parallel Binary subtractor
25-Dec-21	CHRISTMAS DAY
26-Dec-21	SUNDAY
27-Dec-21	Encoders
28-Dec-21	Encoders
29-Dec-21	Encoders
30-Dec-21	Decoders
31-Dec-21	Decoders
1-Jan-22	Decoders
2-Jan-22	SUNDAY
3-Jan-22	Multiplexers
4-Jan-22	Multiplexers
5-Jan-22	Multiplexers
6-Jan-22	De-multiplexers
7-Jan-22	De-multiplexers
8-Jan-22	De-multiplexers
9-Jan-22	GURU GOBIND SINGH JAYANTI (SUNDAY)
10-Jan-22	Comparators
11-Jan-22	Comparators
12-Jan-22	Code Converters
13-Jan-22	Code Converters
14-Jan-22	Code Converters
15-Jan-22	Test of Unit- 4 till De-multiplexers
16-Jan-22	SUNDAY
17-Jan-22	Combinational Logic –analysis procedures
18-Jan-22	Combinational Logic –analysis procedures
19-Jan-22	BCD to Seven-Segment Decoder

20-Jan-22	BCD to Seven-Segment Decoder
21-Jan-22	BCD to decimal Decoder.
22-Jan-22	BCD to decimal Decoder.
23-Jan-22	SUNDAY
24-Jan-22	Decimal to BCD Encoder
25-Jan-22	Decimal to BCD Encoder
26-Jan-22	REPUBLIC DAY
27-Jan-22	Revision
28-Jan-22	Test of Unit - 4
29-Jan-22	Revision

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Pinky Gather

Class And Section: BCA-Ist Year , Section-B

Subject: PC-Software

Mode Of Teaching: Offline

Lectures Per Week:6

Date	Topic to be Covered
01-Oct-21	MS-Windows: Operating system-Definition & functions
02-Oct-21	GANDHI JAYANTI
03-Oct-21	SUNDAY
04-Oct-21	Basics of Windows
05-Oct-21	Basic components of windows
06-Oct-21	Icons, types of icons
07-Oct-21	Maharaja Agrasen Jayanti
08-Oct-21	Taskbar, activating windows
09-Oct-21	Doubt Class
10-Oct-21	SUNDAY
11-Oct-21	Test
12-Oct-21	Using desktop, title bar, exploring computer
13-Oct-21	Running applications
14-Oct-21	Managing files and folders
15-Oct-21	Dussehra
16-Oct-21	Copying and moving files and folders.
17-Oct-21	SUNDAY
18-Oct-21	Control panel – display properties, screensaver and appearance
19-Oct-21	Adding and removing software and hardware
20-Oct-21	Maharishi Valmiki Jayanti
21-Oct-21	Setting date and time
22-Oct-21	Using windows accessories
23-Oct-21	Doubt Class
24-Oct-21	SUNDAY
25-Oct-21	Test
26-Oct-21	Documentation Using MS-Word - Introduction to word processing interface
27-Oct-21	Toolbars, Menus
28-Oct-21	Creating & Editing Document
29-Oct-21	Formatting Document
30-Oct-21	Doubt Class
31-Oct-21	SUNDAY
01-Nov-21	
02-Nov-21	

03-Nov-21	Diwali Break
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Test
09-Nov-21	Finding and replacing text
10-Nov-21	Format painter
11-Nov-21	Header and footer, Drop cap
12-Nov-21	Auto-text, Autocorrect
13-Nov-21	Spelling and Grammar Tool
14-Nov-21	SUNDAY
15-Nov-21	Document Dictionary
16-Nov-21	Page Formatting, Bookmark
17-Nov-21	Previewing and printing document
18-Nov-21	Advance Features of MS-Word-Mail Merge
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	Macros
21-Nov-21	SUNDAY
22-Nov-21	Tables
23-Nov-21	File Management, Printing, Styles
24-Nov-21	linking and embedding object, Template.
25-Nov-21	Electronic Spread Sheet using MS-Excel - Introduction to MS-Excel
26-Nov-21	Cell, cell address
27-Nov-21	Doubt Class
28-Nov-21	SUNDAY
29-Nov-21	Test
30-Nov-21	Formatting and Essential Operations
1-Dec-21	Creating & Editing Worksheet
2-Dec-21	Moving and copying data in excel,
3-Dec-21	Header and footer
4-Dec-21	Formulas and Functions
5-Dec-21	SUNDAY
6-Dec-21	Charts
7-Dec-21	Cell referencing,
8-Dec-21	Page setup
9-Dec-21	Macros
10-Dec-21	Advance features of MS-Excel-Pivot table & Pivot Chart
11-Dec-21	Linking and Consolidation
12-Dec-21	SUNDAY
13-Dec-21	Database Management using Excel-Sorting
14-Dec-21	Filtering, Validation
15-Dec-21	What if analysis with Goal Seek

16-Dec-21	Conditional formatting
17-Dec-21	Doubt Class
18-Dec-21	Doubt Class
19-Dec-21	SUNDAY
20-Dec-21	Test
21-Dec-21	Presentation using MS-PowerPoint: Presentations
22-Dec-21	Creating
23-Dec-21	Manipulating & Enhancing Slides
24-Dec-21	Organizational Charts
25-Dec-21	CHRISTMAS DAY
26-Dec-21	SUNDAY
27-Dec-21	Excel Charts
28-Dec-21	Excel Charts
29-Dec-21	Word Art
30-Dec-21	Word Art
31-Dec-21	Layering art Objects
1-Jan-22	Doubt Class
2-Jan-22	SUNDAY
3-Jan-22	Test
4-Jan-22	Layering art Objects
5-Jan-22	Animations and Sounds
6-Jan-22	Animations and Sounds
7-Jan-22	Inserting Animated Pictures or Accessing through Object
8-Jan-22	Doubt Class
9-Jan-22	GURU GOBIND SINGH JAYANTI (SUNDAY)
10-Jan-22	Test
11-Jan-22	Inserting Animated Pictures or Accessing through Object
12-Jan-22	Inserting Recorded Sound Effect
13-Jan-22	Inserting Recorded Sound Effect
14-Jan-22	In-Built Sound Effect
15-Jan-22	Doubt Class
16-Jan-22	SUNDAY
17-Jan-22	Test
18-Jan-22	In-Built Sound Effect
19-Jan-22	Doubt Class
20-Jan-22	Doubt Class
21-Jan-22	Test
22-Jan-22	Test
23-Jan-22	SUNDAY
24-Jan-22	Discussion of Previous Year Papers
25-Jan-22	Discussion of Previous Year Papers
26-Jan-22	REPUBLIC DAY
27-Jan-22	Discussion of Previous Year Papers

28-Jan-22	Discussion of Previous Year Papers
29-Jan-22	Discussion of Previous Year Papers

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Pinky Gather

Class And Section: BCA 5th Sem A & B Section

Subject: Management Information System BCA – 301

Mode Of Teaching: Offline

Lectures Per Week: 6

Date	Topic to be Covered
01-Oct-21	Introduction to system and Basic System Concepts
02-Oct-21	GANDHI JAYANTI
03-Oct-21	SUNDAY
04-Oct-21	Types of Systems
05-Oct-21	Types of Systems
06-Oct-21	The Systems Approach
07-Oct-21	Maharaja Agarsen Jayanti
08-Oct-21	Introduction to Information System
09-Oct-21	Characteristics of Information System
10-Oct-21	SUNDAY
11-Oct-21	Types of information
12-Oct-21	Role of Information in Decision-Making
13-Oct-21	Sub-Systems of an Information system
14-Oct-21	EDP management levels
15-Oct-21	Dussehra
16-Oct-21	MIS management levels
17-Oct-21	SUNDAY
18-Oct-21	EDP
19-Oct-21	MIS
20-Oct-21	Maharishi Valmiki Jayanti
21-Oct-21	DSS
22-Oct-21	Revision of Unit-1
23-Oct-21	Doubts of Unit-1
24-Oct-21	SUNDAY
25-Oct-21	Test of Full Unit-1
26-Oct-21	Overview of Management Information System
27-Oct-21	Definition of Management Information System
28-Oct-21	Characteristics of Management Information System
29-Oct-21	Components of MIS
30-Oct-21	Components of MIS
31-Oct-21	SUNDAY

01-Nov-21	
02-Nov-21	
03-Nov-21	
04-Nov-21	Diwali Break
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Frame Work for Understanding MIS
09-Nov-21	Frame Work for Understanding MIS
10-Nov-21	Information requirements
11-Nov-21	Information requirements continue.....
12-Nov-21	Levels of Management
13-Nov-21	Levels of Management continue.....
14-Nov-21	SUNDAY
15-Nov-21	Simon's Model of decision-Making
16-Nov-21	Simon's Model of decision-Making continue.....
17-Nov-21	Structured Vs Un-structured decisions
18-Nov-21	Revision of Simon's Model of decision-Making
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	Revision of Levels of Management
21-Nov-21	SUNDAY
22-Nov-21	Revision of Frame Work for Understanding MIS
23-Nov-21	Formal vs. Informal systems.
24-Nov-21	Formal vs. Informal systems continue.....
25-Nov-21	Revision of Components of MIS
26-Nov-21	Revision of Structured Vs Un-structured decisions
27-Nov-21	Revision of Characteristics of Management Information System
28-Nov-21	SUNDAY
29-Nov-21	Doubts of Unit -II
30-Nov-21	Test of Unit-II
1-Dec-21	Introduction to Developing Information Systems
2-Dec-21	System Analysis
3-Dec-21	System Analysis continue....
4-Dec-21	System Analysis continue....
5-Dec-21	SUNDAY
6-Dec-21	Design of Information Systems
7-Dec-21	Designs of Information Systems continue....
8-Dec-21	Design of Information Systems continues....
9-Dec-21	Implementation & Evaluation
10-Dec-21	Implementation & Evaluation continue....
11-Dec-21	Implementation & Evaluation continue....
12-Dec-21	SUNDAY
13-Dec-21	Pitfalls in MIS Development

14-Dec-21	Pitfalls in MIS Development continue....
15-Dec-21	Revision of System Analysis
16-Dec-21	Revision of System Design
17-Dec-21	Revision of Implementation & Evaluation
18-Dec-21	Doubts of Unit-III
19-Dec-21	SUNDAY
20-Dec-21	Revision of Unit-III
21-Dec-21	Test of Unit-III
22-Dec-21	Introduction to Functional MIS
23-Dec-21	A Study of Personnel
24-Dec-21	Financial and production MIS
25-Dec-21	CHRISTMAS DAY
26-Dec-21	SUNDAY
27-Dec-21	Financial and production MIS continue....
28-Dec-21	Introduction to e- business systems
29-Dec-21	ecommerce – technologies
30-Dec-21	ecommerce – technologies continue....
31-Dec-21	applications
1-Jan-22	Decision support systems
2-Jan-22	SUNDAY
3-Jan-22	support systems for planning
4-Jan-22	support systems for planning continue....
5-Jan-22	control and decision-making
6-Jan-22	control and decision-making continue.....
7-Jan-22	Revision of Financial and production MIS
8-Jan-22	Revision of e- business systems
9-Jan-22	GURU GOBIND SINGH JAYANTI (SUNDAY)
10-Jan-22	Revision of ecommerce – technologies
11-Jan-22	Revision of applications
12-Jan-22	Revision of Decision support systems
13-Jan-22	Revision of control and decision-making
14-Jan-22	Revision of support systems for planning
15-Jan-22	Revision of Unit-IV
16-Jan-22	SUNDAY
17-Jan-22	Doubts of Unit- IV
18-Jan-22	Test of Unit-IV
19-Jan-22	Revision of Unit-I
20-Jan-22	Revision of Unit-II
21-Jan-22	Revision of Unit-III
22-Jan-22	Discussion on Previous Paper
23-Jan-22	SUNDAY
24-Jan-22	Discussion on Previous Paper
25-Jan-22	Test of Unit-I

26-Jan-22	REPUBLIC DAY
27-Jan-22	Test of Unit-II
28-Jan-22	Test of Unit-III
29-Jan-22	Test of Unit-IV

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. SHIVANI GUPTA & Ms. PINKY

Class And Section: BCA 5th Sem(Sec A&B)

Subject: DATA COMMUNICATION AND NETWORKING

Mode Of Teaching:Offline

Lectures Per Week:6

Date	Topic to be Covered
01-Oct-21	Orientation Of The Students
02-Oct-21	GANDHI JAYANTI
03-Oct-21	SUNDAY
04-Oct-21	Introduction Of The Syllabus
05-Oct-21	Unit wise introduction
06-Oct-21	Introduction to Computer Communications
07-Oct-21	Maharaja Agarsen Jayanti
08-Oct-21	Networking technologies
09-Oct-21	Uses of Computer Networks
10-Oct-21	SUNDAY
11-Oct-21	Network Devices
12-Oct-21	Nodes, and Hosts
13-Oct-21	Power Set
14-Oct-21	Types of Computer Networks
15-Oct-21	Dussehra
16-Oct-21	Types of Computer Networks
17-Oct-21	SUNDAY
18-Oct-21	Topologies
19-Oct-21	Network Software: Network Design issues
20-Oct-21	Maharishi Valmiki Jayanti
21-Oct-21	Protocols
22-Oct-21	Connection-Oriented and Connectionless Services
23-Oct-21	Network Applications
24-Oct-21	SUNDAY
25-Oct-21	Application Protocols
26-Oct-21	Computer Communications and Networking Models
27-Oct-21	Decentralized and Centralized Systems
28-Oct-21	Distributed Systems, Client/Server Model
29-Oct-21	Distributed Systems, Client/Server Model
30-Oct-21	Peer-to-Peer Model, Web-Based Model
31-Oct-21	SUNDAY
01-Nov-21	

02-Nov-21	Diwali Break
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Network Architecture and the OSI Reference Model
09-Nov-21	TCP/IP reference model
10-Nov-21	X.25, Frame Relay, ATM.
11-Nov-21	Doubt class of unit 1
12-Nov-21	X.25, Frame Relay, ATM.
13-Nov-21	Class Test
14-Nov-21	SUNDAY
15-Nov-21	Analog Communications Concepts
16-Nov-21	Analog Communications Concepts
17-Nov-21	Analog Communications Concepts
18-Nov-21	Digital Communications Concepts
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	Digital Communications Concepts
21-Nov-21	SUNDAY
22-Nov-21	Concept of data, signal, channel, bid-rate
23-Nov-21	maximum data-rate of channel
24-Nov-21	Representing Data as Analog Signals
25-Nov-21	Representing Data as Digital Signals
26-Nov-21	Data Rate and Bandwidth
27-Nov-21	Capacity, Baud Rate
28-Nov-21	SUNDAY
29-Nov-21	Asynchronous and synchronous transmission
30-Nov-21	Modulation techniques, Digital Carrier Systems
1-Dec-21	Guided and Wireless Transmission Media
2-Dec-21	Class test of unit 1
3-Dec-21	Communication Satellites
4-Dec-21	Exercise
5-Dec-21	SUNDAY
6-Dec-21	Switching
7-Dec-21	Switching
8-Dec-21	Multiplexing
9-Dec-21	Multiplexing
10-Dec-21	Dialup Networking
11-Dec-21	Analog Modem Concepts, DSL Service.
12-Dec-21	SUNDAY
13-Dec-21	Doubt class of unit 2
14-Dec-21	Framing

15-Dec-21	Flow Control
16-Dec-21	Flow Control
17-Dec-21	Error Control with numerical
18-Dec-21	Error Control with numerical
19-Dec-21	SUNDAY
20-Dec-21	Error Detection and Correction(including numerical)
21-Dec-21	Sliding Window Protocols
22-Dec-21	Class test of Unit 2
23-Dec-21	Media Access Control: Random Access Protocols,
24-Dec-21	Token Passing protocols, Token Ring
25-Dec-21	CHRISTMAS DAY
26-Dec-21	SUNDAY
27-Dec-21	Introduction to LAN technologies: Ethernet, switched Ethernet
28-Dec-21	Doubt class
29-Dec-21	VLAN, fast Ethernet, gigabit Ethernet, token ring
30-Dec-21	FDDI, Wireless LANs, Bluetooth
31-Dec-21	Network Hardware Components: Connectors, Transceivers, Repeaters, Hubs, Network
1-Jan-22	Network Hardware Components: Connectors, Transceivers, Repeaters, Hubs, Network
2-Jan-22	SUNDAY
3-Jan-22	Interface Cards and PC Cards, Bridges, Switches, Routers, Gateways
4-Jan-22	Doubt class
5-Jan-22	Network Layer and Routing Concepts: Virtual Circuits and datagram
6-Jan-22	Routing Algorithms: Flooding
7-Jan-22	Shortest Path Routing
8-Jan-22	Class test of unit 3
9-Jan-22	GURU GOBIND SINGH JAYANTI (SUNDAY)
10-Jan-22	Distance Vector Routing
11-Jan-22	Link State Routing
12-Jan-22	Hierarchical Routing
13-Jan-22	Congestion Control Algorithms
14-Jan-22	Internetworking
15-Jan-22	Internetworking with examples
16-Jan-22	SUNDAY
17-Jan-22	Network Security Issues: Security threats
18-Jan-22	Encryption Methods
19-Jan-22	Authentication
20-Jan-22	Symmetric Key Algorithms
21-Jan-22	Public-Key Algorithms
22-Jan-22	Revision class
23-Jan-22	SUNDAY

24-Jan-22	Previous year paper discussion
25-Jan-22	Revision
26-Jan-22	REPUBLIC DAY
27-Jan-22	Previous year paper discussion
28-Jan-22	Revision
29-Jan-22	Revision

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name of the Associate/Assistant Professor: Ms. Ekta Soni

Class and Section: BCA First year

Subject: Computer Programming Fundamentals

Mode of Teaching: Offline

Lectures Per Week: 6

Date	Topic to be Covered
01-Oct-21	Generations of Computers
02-Oct-21	GANDHI JAYANTI
03-Oct-21	SUNDAY
04-Oct-21	Definition, Block Diagram along with its components
05-Oct-21	characteristics & classification of computers
06-Oct-21	characteristics & classification of computers
07-Oct-21	Maharaja Agarsen Jayanti
08-Oct-21	characteristics & classification of computers
09-Oct-21	Limitations of Computers, Human-Being VS Computer
10-Oct-21	SUNDAY
11-Oct-21	Applications of computers in various fields
12-Oct-21	Memory: Concept of primary & secondary memory
13-Oct-21	RAM, ROM
14-Oct-21	types of ROM
15-Oct-21	Dussehra
16-Oct-21	types of ROM
17-Oct-21	SUNDAY
18-Oct-21	Cache Memory
19-Oct-21	flash memory
20-Oct-21	Maharishi Valmiki Jayanti
21-Oct-21	Secondary storage devices: Sequential & direct access devices
22-Oct-21	Secondary storage devices: Sequential & direct access devices
23-Oct-21	Secondary storage devices: Sequential & direct access devices
24-Oct-21	SUNDAY
25-Oct-21	magnetic tape

26-Oct-21	magnetic disk
27-Oct-21	optical disks i.e. CD
28-Oct-21	DVD
29-Oct-21	virtual memory
30-Oct-21	virtual memory
31-Oct-21	SUNDAY
01-Nov-21	
02-Nov-21	
03-Nov-21	Diwali Break
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	I/O devices
09-Nov-21	I/O devices
10-Nov-21	definition of software, relationship between hardware and software
11-Nov-21	types of software
12-Nov-21	types of software
13-Nov-21	Overview of operating system: Definition
14-Nov-21	SUNDAY
15-Nov-21	functions of operating system
16-Nov-21	concept of multiprogramming, multitasking
17-Nov-21	concept of multiprogramming, multitasking
18-Nov-21	multithreading, multiprocessing
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	time-sharing os
21-Nov-21	SUNDAY
22-Nov-21	real time osd
23-Nov-21	single-user & multi-user operating system
24-Nov-21	Computer Virus: Definition,
25-Nov-21	types of viruses
26-Nov-21	types of viruses
27-Nov-21	Characteristics of viruses
28-Nov-21	SUNDAY
29-Nov-21	Characteristics of viruses
30-Nov-21	anti-virus software
1-Dec-21	Computer Languages: Analogy with natural language
2-Dec-21	machine language, assembly language
3-Dec-21	high-level languages
4-Dec-21	forth generation languages
5-Dec-21	SUNDAY

6-Dec-21	compiler, interpreter
7-Dec-21	assembler, Linker
8-Dec-21	Loader , characteristics of a good programming language
9-Dec-21	characteristics of a good programming language
10-Dec-21	Planning the Computer Program:
11-Dec-21	Concept of problem solving
12-Dec-21	SUNDAY
13-Dec-21	Problem definition
14-Dec-21	Program design, Debugging
15-Dec-21	Types of errors in programming
16-Dec-21	Documentation
17-Dec-21	Structured programming concepts
18-Dec-21	Programming methodologies viz. top-down and bottom up
19-Dec-21	SUNDAY
20-Dec-21	Bottom- up Programming
21-Dec-21	Advantages and disadvantages of Structured programming.
22-Dec-21	Overview of Networking: An introduction to computer networking
23-Dec-21	Network types (LAN, WAN, MAN)
24-Dec-21	Network types (LAN, WAN, MAN)
25-Dec-21	CHRISTMAS DAY
26-Dec-21	SUNDAY
27-Dec-21	Network topologies
28-Dec-21	Modes of data transmission
29-Dec-21	Forms of data transmission
30-Dec-21	Transmission channels(media)
31-Dec-21	Transmission channels(media)
1-Jan-22	Introduction to internet and its uses
2-Jan-22	SUNDAY
3-Jan-22	Applications of internet
4-Jan-22	Applications of internet
5-Jan-22	Hardware and Software requirements for internet
6-Jan-22	Intranet
7-Jan-22	Applications of intranet.
8-Jan-22	Applications of intranet.
9-Jan-22	GURU GOBIND SINGH JAYANTI (SUNDAY)
10-Jan-22	Revision -UNIT-I
11-Jan-22	Applications of intranet and internet -Revision
12-Jan-22	Revision -UNIT-I
13-Jan-22	Revision -UNIT-I
14-Jan-22	Revision UNIT-II
15-Jan-22	Revision UNIT-II
16-Jan-22	SUNDAY
17-Jan-22	Revision UNIT-II

18-Jan-22	Revision UNIT-III
19-Jan-22	Revision UNIT-III
20-Jan-22	Revision UNIT-III
21-Jan-22	Revision UNIT-IV
22-Jan-22	Revision UNIT-IV
23-Jan-22	SUNDAY
24-Jan-22	Revision
25-Jan-22	Revision
26-Jan-22	REPUBLIC DAY
27-Jan-22	Revision
28-Jan-22	Revision
29-Jan-22	Revision

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (July 2021-22)

Name of the Associate/Assistant Professor: Dr.Neha Jain

Class and Section: MSc.(Computer Science) Previous

Subject: DataBase Management System

Mode of Teaching: Offline

Lectures Per Week: 6

Date	Topic to be Covered
23-Nov-21	Introduction: Characteristics of database approach, data models,
24-Nov-21	DBMS architecture and data independence.
25-Nov-21	E-R Modeling: Entity types, Entity set, attribute and key
26-Nov-21	Relationships, Relation types,
27-Nov-21	Roles and Structural constraints
28-Nov-21	SUNDAY
29-Nov-21	Weak entities, Enhanced ER Model.
30-Nov-21	Database Languages: DDL, DML, Database Access for applications Programs
1-Dec-21	Database Users and Administrator
2-Dec-21	Transaction Management
3-Dec-21	Database system Structure,
4-Dec-21	Storage Manager, Query Processor.
5-Dec-21	SUNDAY
6-Dec-21	Revision unit 1
7-Dec-21	Test unit 1
8-Dec-21	Relational Model: Introduction to the Relational Model, Integrity Constraint over Relations,
9-Dec-21	Enforcing Integrity constraints
10-Dec-21	Querying relational data
11-Dec-21	Logical data base Design
12-Dec-21	SUNDAY
13-Dec-21	Introduction to views
14-Dec-21	Destroying/altering Tables and Views.
15-Dec-21	Relational Algebra and Calculus: Relational Algebra,
16-Dec-21	Selection and projection, renaming
17-Dec-21	Joins, Division,
18-Dec-21	Examples of Algebra overviews,
19-Dec-21	SUNDAY
20-Dec-21	Relational calculus: Tuple relational Calculus, Domain relational calculus, Expressive Power of Algebra and Calculus.

21-Dec-21	Revision unit 2
22-Dec-21	Test unit 2
23-Dec-21	Schema Refinement, Functional dependencies: Problems Caused by redundancy, Decompositions,
24-Dec-21	Problem related to decomposition
25-Dec-21	CHRISTMAS DAY
26-Dec-21	SUNDAY
27-Dec-21	Normalization : FIRST, SECOND, THIRD Normal forms,
28-Dec-21	BCNF, Lossless join Decomposition
29-Dec-21	Normalization : FIRST, SECOND, THIRD Normal forms,
30-Dec-21	BCNF, Lossless join Decomposition
31-Dec-21	BCNF, Lossless join Decomposition
1-Jan-22	Dependency preserving Decomposition
2-Jan-22	SUNDAY
3-Jan-22	Dependency preserving Decomposition
4-Jan-22	Schema refinement in Data base Design,
5-Jan-22	Schema refinement in Data base Design,
6-Jan-22	Revision unit 3
7-Jan-22	Test unit 3
8-Jan-22	Discussion on Answers
9-Jan-22	GURU GOBIND SINGH JAYANTI (SUNDAY)
10-Jan-22	Discussion on Answers
11-Jan-22	Discussion on Answers
12-Jan-22	Multi valued Dependencies, forth Normal Form
13-Jan-22	Multi valued Dependencies, forth Normal Form
14-Jan-22	Transaction Management: ACID Properties
15-Jan-22	Transaction Management: ACID Properties
16-Jan-22	SUNDAY
17-Jan-22	Transactions and Schedules
18-Jan-22	Transactions and Schedules
19-Jan-22	Revision
21-Jan-22	Concurrent Execution of transaction
22-Jan-22	Concurrent Execution of transaction
23-Jan-22	SUNDAY
24-Jan-22	Serializability and recoverability.
25-Jan-22	Serializability and recoverability.
26-Jan-22	REPUBLIC DAY
27-Jan-22	Serializability and recoverability.
28-Jan-22	Concurrency Control: Introduction to Lock Management
29-Jan-22	Concurrency Control: Introduction to Lock Management
30-Jan-22	SUNDAY
31-Jan-22	Lock Conversions, Dealing with Dead Locks,
1-Feb-22	Lock Conversions, Dealing with Dead Locks,

2-Feb-22	Concurrency without Locking, Recovery Techniques
3-Feb-22	Database Security.
4-Feb-22	Database Security.
5-Feb-22	VASANT PANCHMI
6-Feb-22	SUNDAY
7-Feb-22	Introduction to Oracle : Getting started, Modules of Oracle
8-Feb-22	Invoking SQLPLUS, Data types, Data Constraints, Operators
9-Feb-22	Invoking SQLPLUS, Data types, Data Constraints, Operators
10-Feb-22	Data manipulation - Create, Modify, Insert, Delete and Update;
11-Feb-22	Data manipulation - Create, Modify, Insert, Delete and Update;
12-Feb-22	user-defined form, multiple-record form, Master-detail form.
13-Feb-22	SUNDAY
14-Feb-22	Searching, Matching and Oracle Functions.
15-Feb-22	SQL* Forms: Basic concepts, Form Construction, Creating default form,
16-Feb-22	GURU RAVIDAS JAYANTI
17-Feb-22	SQL* Forms: Basic concepts, Form Construction, Creating default form,
18-Feb-22	Revision Unit 1
19-Feb-22	Revision Unit 1
20-Feb-22	SUNDAY
21-Feb-22	Revision Unit 2
22-Feb-22	Revision Unit 3
23-Feb-22	Revision Unit 3
24-Feb-22	Revision Unit 4
25-Feb-22	Revision Unit 4
26-Feb-22	MAHARISHI DAYANAND SARASWATI JAYANTI
27-Feb-22	SUNDAY
28-Feb-22	Class Test

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (July 2021-22)

Name of the Associate/Assistant Professor: Dr. Neha Jain

Class and Section: M.Sc. 3rd Semester

Subject: VISUAL PROGRAMMING

Mode of Teaching: Offline

Lectures Per Week:6

Date	Topic to be Covered
23-Nov-21	Introduction to Visual Basic: VB IDE, An overview of VB project types
24-Nov-21	VB as event-driven & object-based language, Default Controls in Tool Box: Label Box, Text Box, Command Button
25-Nov-21	List Box, Combo Box, Picture & Image Box, Shape box
26-Nov-21	Timer, Option button, Check Box & Frames
27-Nov-21	Programming with VB
28-Nov-21	SUNDAY
29-Nov-21	Variables, Constants, Data types, Variable Scope
30-Nov-21	Arithmetic operations, String Operations
1-Dec-21	Built-in functions, I/O in VB
2-Dec-21	Branching & Looping statements
3-Dec-21	Procedures, Arrays, Collection
4-Dec-21	Working with Forms: Working with multiple forms
5-Dec-21	SUNDAY
6-Dec-21	Loading, Showing and Hiding forms
7-Dec-21	Creating Forms at Run Time
8-Dec-21	Introduction to MDI forms. Dialog Boxes: Types of Dialog boxes
9-Dec-21	Working with Common Dialog Box
10-Dec-21	Menu Manipulation: Introduction to Menu Editor
11-Dec-21	Adding Menus and its manipulation
12-Dec-21	SUNDAY
13-Dec-21	Modifying and Deleting Menu Items
14-Dec-21	Creating Submenus
15-Dec-21	Advanced Controls in VB
16-Dec-21	Introduction: Scroll Bar, Slider Control
17-Dec-21	Tree View, List View
18-Dec-21	Rich Text Box Control
19-Dec-21	SUNDAY
20-Dec-21	Toolbar
21-Dec-21	Status Bar
22-Dec-21	Progress Bar
23-Dec-21	Cool bar
24-Dec-21	Image List
25-Dec-21	CHRISTMAS DAY

26-Dec-21	SUNDAY
27-Dec-21	Tab Strip
28-Dec-21	Working with Graphics
29-Dec-21	Using Paint
30-Dec-21	Line
31-Dec-21	Circle
1-Jan-22	RGB and other related method
2-Jan-22	SUNDAY
3-Jan-22	manipulating graphics
4-Jan-22	File Handling in VB
5-Jan-22	Creating a File
6-Jan-22	Saving and Opening files in Rich text box and Picture box
7-Jan-22	Saving and Opening files in Rich text box and Picture box
8-Jan-22	Handling file operations.
9-Jan-22	GURU GOBIND SINGH JAYANTI (SUNDAY)
10-Jan-22	Handling file operations.
11-Jan-22	VB & Databases
12-Jan-22	VB & Databases
13-Jan-22	The Data Controls and Data-Bound Controls
14-Jan-22	The Data Controls and Data-Bound Controls
15-Jan-22	Using DAO
16-Jan-22	SUNDAY
17-Jan-22	Using RDO
18-Jan-22	Using ADO
19-Jan-22	ActiveX controls
20-Jan-22	ActiveX controls
21-Jan-22	Creating & Using ActiveX Controls
22-Jan-22	Creating & Using ActiveX Controls
23-Jan-22	SUNDAY
24-Jan-22	Creating & Using ActiveX Documents
25-Jan-22	Creating & Using ActiveX Documents
26-Jan-22	REPUBLIC DAY
27-Jan-22	Creating & Using ActiveX Documents
28-Jan-22	Creating & Using ActiveX Documents
29-Jan-22	ActiveX EXE
30-Jan-22	SUNDAY
31-Jan-22	ActiveX EXE
1-Feb-22	ActiveX DLL
2-Feb-22	ActiveX DLL
3-Feb-22	ActiveX EXE vs. ActiveX DLL
4-Feb-22	ActiveX EXE vs. ActiveX DLL
5-Feb-22	VASANT PANCHMI
6-Feb-22	SUNDAY
7-Feb-22	Revision- Unit I
8-Feb-22	Revision- Unit I
9-Feb-22	Revision- Unit I
10-Feb-22	Revision- Unit I

11-Feb-22	Revision- Unit II
12-Feb-22	Revision- Unit II
13-Feb-22	SUNDAY
14-Feb-22	Revision- Unit II
15-Feb-22	Revision- Unit II
16-Feb-22	GURU RAVIDAS JAYANTI
17-Feb-22	Revision- Unit III
18-Feb-22	Revision- Unit III
19-Feb-22	Revision- Unit III
20-Feb-22	SUNDAY
21-Feb-22	Revision- Unit III
22-Feb-22	Revision- Unit IV
23-Feb-22	Revision- Unit IV
24-Feb-22	Revision- Unit IV
25-Feb-22	Revision- Unit IV
26-Feb-22	MAHARISHI DAYANAND SARASWATI JAYANTI
27-Feb-22	SUNDAY
28-Feb-22	Revision

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (July 2021-22)

Name of the Associate/Assistant Professor: Ms. Sandhya Chaudhary

Class and Section: M.Sc(CS) first year

Subject: Computer Fundamental and Programming in C

Mode of Teaching: offline

Lectures Per Week: 6

Date	Topic to be Covered
23-Nov-21	Computer Fundamentals: Concept of data and information
24-Nov-21	Computer Fundamentals: Concept of data and information
25-Nov-21	Components of Computer: Hardware Input Device, Output Device
26-Nov-21	Components of Computer: Hardware Input Device, Output Device
27-Nov-21	Components of CPU; Memory and Storage Devices
28-Nov-21	SUNDAY
29-Nov-21	Components of CPU; Memory and Storage Devices
30-Nov-21	Components of CPU; Memory and Storage Devices
1-Dec-21	Computer Software: System Software and Application Software
2-Dec-21	System Software and Application Software
3-Dec-21	System Software and Application Software
4-Dec-21	Functions of Operating System
5-Dec-21	SUNDAY
6-Dec-21	Programming Languages: Machine, Assembly, High Level Language, 4GL; Language Translator; Linker, Loader;
7-Dec-21	Programming Languages: Machine, Assembly, High Level Language, 4GL; Language Translator; Linker, Loader;
8-Dec-21	Programming Languages: Machine, Assembly, High Level Language, 4GL; Language Translator; Linker, Loader;
9-Dec-21	Programming Languages: Machine, Assembly, High Level Language, 4GL; Language Translator; Linker, Loader;
10-Dec-21	Classification of Computers: Micro, Mini, Mainframe, Super computer
11-Dec-21	Classification of Computers: Micro, Mini, Mainframe, Super computer
12-Dec-21	SUNDAY
13-Dec-21	Advantages of Computer, Limitations of Computer, Range of Applications of Computer,
14-Dec-21	Social concerns of Computer Technology: Positive and Negative Impacts
15-Dec-21	Computer Crimes, Viruses and their remedial solutions
16-Dec-21	Problem Solving: Problem Identification, Analysis, Flowcharts, Decision Tables, Pseudo codes and algorithms, Program Coding, Program Testing and Execution.
17-Dec-21	Decision Tables, Pseudo codes and algorithms, Program Coding, Program Testing and Execution.
18-Dec-21	Decision Tables, Pseudo codes and algorithms, Program Coding, Program Testing and Execution.

19-Dec-21	SUNDAY
20-Dec-21	C Programming Fundamentals: Keywords, Variables and Constants
21-Dec-21	C Programming Fundamentals: Keywords, Variables and Constants
22-Dec-21	Structure of a C program. Operators & Expressions: Arithmetic, Unary, Logical, Bit-wise, Assignment & Conditional Operators,
23-Dec-21	Structure of a C program. Operators & Expressions: Arithmetic, Unary, Logical, Bit-wise, Assignment & Conditional Operators,
24-Dec-21	Structure of a C program. Operators & Expressions: Arithmetic, Unary, Logical, Bit-wise, Assignment & Conditional Operators,
25-Dec-21	CHRISTMAS DAY
26-Dec-21	SUNDAY
27-Dec-21	Library Functions
28-Dec-21	Control Statements: Looping using while, do...while, for statements, Nested loops; decision making using if...else, Else If Ladder; Switch, break, Continue and Goto statements.
29-Dec-21	Control Statements: Looping using while, do...while, for statements, Nested loops; decision making using if...else, Else If Ladder; Switch, break, Continue and Goto statements.
30-Dec-21	Control Statements: Looping using while, do...while, for statements, Nested loops; decision making using if...else, Else If Ladder; Switch, break, Continue and Goto statements.
31-Dec-21	Control Statements: Looping using while, do...while, for statements, Nested loops; decision making using if...else, Else If Ladder; Switch, break, Continue and Goto statements.
1-Jan-22	ASSIGNMENT
2-Jan-22	SUNDAY
3-Jan-22	Arrays & Functions: Declaration and Initialization; Multidimensional Arrays.
4-Jan-22	Arrays & Functions: Declaration and Initialization; Multidimensional Arrays.
5-Jan-22	String: Operations of Strings; Functions: Defining & Accessing User defined functions
6-Jan-22	String: Operations of Strings; Functions: Defining & Accessing User defined functions
7-Jan-22	Function Prototype, Passing Arguments, Passing array as argument
8-Jan-22	Function Prototype, Passing Arguments, Passing array as argument
9-Jan-22	GURU GOBIND SINGH JAYANTI (SUNDAY)
10-Jan-22	CLASS TEST
11-Jan-22	Recursion, Use of Library Functions; Macro vs. Functions.
12-Jan-22	Recursion, Use of Library Functions; Macro vs. Functions.
13-Jan-22	Pointers: Declarations, Operations on Pointers, Passing to a function,
14-Jan-22	Pointers: Declarations, Operations on Pointers, Passing to a function,
15-Jan-22	Pointers: Declarations, Operations on Pointers, Passing to a function,
16-Jan-22	SUNDAY
17-Jan-22	Pointers & Arrays, Array of Pointers, Array accessing through pointers
18-Jan-22	Pointers & Arrays, Array of Pointers, Array accessing through pointers
19-Jan-22	Pointer to functions, Function returning pointers, Dynamic Memory Allocations
20-Jan-22	Pointer to functions, Function returning pointers, Dynamic Memory Allocations
21-Jan-22	Dynamic Memory Allocations

22-Jan-22	Array of Pointers
23-Jan-22	SUNDAY
24-Jan-22	Structures and Union: Defining and Initializing Structure
25-Jan-22	Structures and Union: Defining and Initializing Structure
26-Jan-22	REPUBLIC DAY
27-Jan-22	Array within Structure
28-Jan-22	Array within Structure
29-Jan-22	Array of Structure, Nesting of Structure
30-Jan-22	SUNDAY
31-Jan-22	Nesting of Structure
1-Feb-22	Nesting of Structure
2-Feb-22	Pointer to Structure, Passing structure and its pointer to Functions
3-Feb-22	Pointer to Structure, Passing structure and its pointer to Functions
4-Feb-22	Pointer to Structure, Passing structure and its pointer to Functions
5-Feb-22	VASANT PANCHMI
6-Feb-22	SUNDAY
7-Feb-22	Unions: Introduction to Unions and its Utilities.
8-Feb-22	Introduction to Unions and its Utilities.
9-Feb-22	Files Handing: Opening and closing file in C;
10-Feb-22	Opening and closing file in C;
11-Feb-22	Unions
12-Feb-22	Create, Read and Write data to a file
13-Feb-22	SUNDAY
14-Feb-22	Create, Read and Write data to a file
15-Feb-22	Create, Read and Write data to a file
16-Feb-22	GURU RAVIDAS JAYANTI
17-Feb-22	Modes of Files, Operations on file using C Library Functions
18-Feb-22	Operations on file using C Library Functions
19-Feb-22	Operations on file using C Library Functions
20-Feb-22	SUNDAY
21-Feb-22	Working with Command Line Arguments
22-Feb-22	Working with Command Line Arguments
23-Feb-22	Program Debugging and types of errors
24-Feb-22	Program Debugging and types of errors
25-Feb-22	REVISION
26-Feb-22	MAHARISHI DAYANAND SARASWATI JAYANTI
27-Feb-22	SUNDAY
28-Feb-22	REVISION

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (July 2021-22)

Name of the Associate/Assistant Professor: Ms.NEETU

Class and Section: Msc(CS)-Ist Sem

Subject: Computer Organisation and Architecture(16MCS21C4)

Mode of Teaching: Offline

Lectures Per Week:6

Date	Topic to be Covered
23-Nov-21	Number Systems
24-Nov-21	Binary,Octal and Hexadecimal
25-Nov-21	Binary,Octal and Hexadecimal
26-Nov-21	Integer and Floating-point representation
27-Nov-21	Integer and Floating-point representation
28-Nov-21	SUNDAY
29-Nov-21	Character codes: ASCII and EBCDIC
30-Nov-21	Character codes: ASCII and EBCDIC
1-Dec-21	Boolean Algebra
2-Dec-21	Boolean Algebra
3-Dec-21	Logic Gates: OR, AND, NOT, XOR Gates
4-Dec-21	Logic Gates: OR, AND, NOT, XOR Gates
5-Dec-21	SUNDAY
6-Dec-21	Revision
7-Dec-21	De Morgan's theorem
8-Dec-21	De Morgan's theorem
9-Dec-21	Universal building blocks
10-Dec-21	Universal building blocks
11-Dec-21	Test
12-Dec-21	SUNDAY
13-Dec-21	Simplifying logic circuits : sum of product and product of sum form
14-Dec-21	Simplifying logic circuits : sum of product and product of sum form
15-Dec-21	Simplifying logic circuits : sum of product and product of sum form
16-Dec-21	Karnaugh Map simplification
17-Dec-21	Karnaugh Map simplification
18-Dec-21	Revision
19-Dec-21	SUNDAY
20-Dec-21	Combinational logic blocks (Adders, Multiplexers, Encoders, Decoder)
21-Dec-21	Combinational logic blocks (Adders, Multiplexers, Encoders, Decoder)
22-Dec-21	Combinational logic blocks (Adders, Multiplexers, Encoders, Decoder)
23-Dec-21	Sequential logic blocks (Latches, Flip-Flops, Registers)
24-Dec-21	Sequential logic blocks (Latches, Flip-Flops, Registers)
25-Dec-21	CHRISTMAS DAY
26-Dec-21	SUNDAY

27-Dec-21	Register Transfer Language
28-Dec-21	Register Transfer Language
29-Dec-21	Bus and memory Transfer
30-Dec-21	Bus and memory Transfer
31-Dec-21	Micro operations: Arithmetic, Logic & Shift Micro operations.
1-Jan-22	Revision
2-Jan-22	SUNDAY
3-Jan-22	Micro operations: Arithmetic, Logic & Shift Micro operations.
4-Jan-22	Instructions Codes, Register reference
5-Jan-22	Instructions Codes, Register reference
6-Jan-22	Memory Reference & Input-Output instructions
7-Jan-22	Memory Reference & Input-Output instructions
8-Jan-22	Instruction Cycle
9-Jan-22	GURU GOBIND SINGH JAYANTI (SUNDAY)
10-Jan-22	Instruction Cycle
11-Jan-22	Timing and Control, Interrupts
12-Jan-22	Design of Control unit: Hardwired control unit, Micro-programmed control unit.
13-Jan-22	Design of Control unit: Hardwired control unit, Micro-programmed control unit.
14-Jan-22	Memory Hierarchy, Main Memory, Auxiliary Memory, Cache Memory, Virtual Memory
15-Jan-22	Memory Hierarchy, Main Memory, Auxiliary Memory, Cache Memory, Virtual Memory
16-Jan-22	SUNDAY
17-Jan-22	General Register Organization, Stack Organization
18-Jan-22	Instruction Formats, Addressing Modes; Data Transfer & Manipulation Instructions
19-Jan-22	Instruction Formats, Addressing Modes; Data Transfer & Manipulation Instructions
20-Jan-22	CISC and RISC: Features and Comparison, Pipeline
21-Jan-22	CISC and RISC: Features and Comparison, Pipeline
22-Jan-22	Test
23-Jan-22	SUNDAY
24-Jan-22	Vector Processing: Parallel processing, Pipelining, Arithmetic Pipeline
25-Jan-22	Vector Processing: Parallel processing, Pipelining, Arithmetic Pipeline
26-Jan-22	REPUBLIC DAY
27-Jan-22	Instruction pipeline and Arrays Processors
28-Jan-22	Instruction pipeline and Arrays Processors
29-Jan-22	Revision
30-Jan-22	SUNDAY
31-Jan-22	Peripheral Devices
1-Feb-22	Peripheral Devices
2-Feb-22	Input-Output interface, Asynchronous Data Transfer

3-Feb-22	Input-Output interface, Asynchronous Data Transfer
4-Feb-22	Modes of transfer
5-Feb-22	VASANT PANCHMI
6-Feb-22	SUNDAY
7-Feb-22	Priority interrupt, Direct Memory Access (DMA)
8-Feb-22	Priority interrupt, Direct Memory Access (DMA)
9-Feb-22	input-output processors (IOP), Serial communication
10-Feb-22	input-output processors (IOP), Serial communication.
11-Feb-22	Multi-processors, characteristics of multi-processors
12-Feb-22	Multi-processors, characteristics of multi-processors
13-Feb-22	SUNDAY
14-Feb-22	Interconnection structures
15-Feb-22	Interconnection structures
16-Feb-22	GURU RAVIDAS JAYANTI
17-Feb-22	Test
18-Feb-22	Inter-processor Arbitration
19-Feb-22	Inter-processor Arbitration
20-Feb-22	SUNDAY
21-Feb-22	Inter-processor Communication and synchronization
22-Feb-22	Inter-processor Communication and synchronization
23-Feb-22	Cache Coherence.
24-Feb-22	Revision
25-Feb-22	Revision
26-Feb-22	MAHARISHI DAYANAND SARASWATI JAYANTI
27-Feb-22	SUNDAY
28-Feb-22	Revision

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (July 2021-22)

Name of the Associate/Assistant Professor:Ms.NEETU

Class and Section: Msc(CS)-IIIrd Sem

Subject: Management Information System(17MCS23DB1)

Mode of Teaching: Online/Offline

Lectures Per Week:6

Date	Topic to be Covered
23-Nov-21	Concepts, framework for understanding and designing MIS in an Organization.
24-Nov-21	Concepts, framework for understanding and designing MIS in an Organization.
25-Nov-21	Concepts, framework for understanding and designing MIS in an Organization.
26-Nov-21	The Organization: Structure
27-Nov-21	The Organization: Structure
28-Nov-21	SUNDAY
29-Nov-21	Managers and activities
30-Nov-21	Managers and activities
1-Dec-21	Data, information and its attributes
2-Dec-21	Data, information and its attributes
3-Dec-21	The level of people and their information needs
4-Dec-21	The level of people and their information needs
5-Dec-21	SUNDAY
6-Dec-21	Revision
7-Dec-21	Types of Decisions and information
8-Dec-21	Types of Decisions and information
9-Dec-21	Information System, categorization of information on the basis of nature and characteristics
10-Dec-21	Information System, categorization of information on the basis of nature and characteristics
11-Dec-21	Test
12-Dec-21	SUNDAY
13-Dec-21	Information System, categorization of information on the basis of nature and characteristics
14-Dec-21	Transaction Processing System (TPS)
15-Dec-21	Transaction Processing System (TPS)
16-Dec-21	Office Automation System (OAS)
17-Dec-21	Office Automation System (OAS)
18-Dec-21	Revision

19-Dec-21	SUNDAY
20-Dec-21	Management Information System (MIS)
21-Dec-21	Management Information System (MIS)
22-Dec-21	Decision Support System (DSS)
23-Dec-21	Decision Support System (DSS)
24-Dec-21	Revision
25-Dec-21	CHRISTMAS DAY
26-Dec-21	SUNDAY
27-Dec-21	Group Decision Support System (GDSS)
28-Dec-21	Group Decision Support System (GDSS)
29-Dec-21	Expert System (ES)
30-Dec-21	Expert System (ES)
31-Dec-21	Executive Support System (EIS or ESS)
1-Jan-22	Revision
2-Jan-22	SUNDAY
3-Jan-22	Executive Support System (EIS or ESS)
4-Jan-22	Information systems for Accounting
5-Jan-22	Information systems for Accounting
6-Jan-22	Finance, Production and Manufacturing
7-Jan-22	Finance, Production and Manufacturing
8-Jan-22	Marketing and HRM functions
9-Jan-22	GURU GOBIND SINGH JAYANTI (SUNDAY)
10-Jan-22	Marketing and HRM functions
11-Jan-22	IS in hospital, hotel, bank.
12-Jan-22	IS in hospital, hotel, bank.
13-Jan-22	Enterprise Resources Planning (ERP)
14-Jan-22	Enterprise Resources Planning (ERP)
15-Jan-22	Revision
16-Jan-22	SUNDAY
17-Jan-22	Features, selection criteria, merits, issues and challenges in Implementation
18-Jan-22	Features, selection criteria, merits, issues and challenges in Implementation
19-Jan-22	Features, selection criteria, merits, issues and challenges in Implementation
20-Jan-22	Supply Chain Management (SCM)
21-Jan-22	Supply Chain Management (SCM)
22-Jan-22	Test

23-Jan-22	SUNDAY
24-Jan-22	Features, Modules in SCM
25-Jan-22	Features, Modules in SCM
26-Jan-22	Customer Relationship Management (CRM): Phases
27-Jan-22	Customer Relationship Management (CRM): Phases
28-Jan-22	Customer Relationship Management (CRM): Phases
29-Jan-22	Revision
30-Jan-22	SUNDAY
31-Jan-22	Nature of IT decision; Strategic decision
1-Feb-22	Nature of IT decision; Strategic decision
2-Feb-22	Configuration design and evaluation Information technology implementation plan.
3-Feb-22	Configuration design and evaluation Information technology implementation plan.
4-Feb-22	Configuration design and evaluation Information technology implementation plan.
5-Feb-22	VASANT PANCHMI
6-Feb-22	SUNDAY
7-Feb-22	Ethical responsibilities of Business Professionals – Business, technology.
8-Feb-22	Ethical responsibilities of Business Professionals – Business, technology.
9-Feb-22	Computer crime – Hacking
10-Feb-22	Computer crime – Hacking
11-Feb-22	cyber theft, unauthorized use at work.
12-Feb-22	cyber theft, unauthorized use at work.
13-Feb-22	SUNDAY
14-Feb-22	Piracy – software and intellectual property
15-Feb-22	Piracy – software and intellectual property
16-Feb-22	GURU RAVIDAS JAYANTI
17-Feb-22	Test
18-Feb-22	Privacy – Issues and the Internet Privacy.
19-Feb-22	Challenges – working condition individuals.
20-Feb-22	SUNDAY
21-Feb-22	Health and Social Issues
22-Feb-22	Ergonomics
23-Feb-22	cyber terrorism
24-Feb-22	Revision

25-Feb-22	Revision
26-Feb-22	MAHARISHI DAYANAND SARASWATI JAYANTI
27-Feb-22	SUNDAY
28-Feb-22	Revision

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name of the Associate/Assistant Professor: Ms. Gurpreet Kaur

Class and Section: M.Sc- IIInd Year

Subject: Computer Graphics

Mode of Teaching: Offline

Lectures Per Week:6

Date	Topic to be Covered
01-Oct-21	Computer Graphics and Its Types
02-Oct-21	GANDHI JAYANTI
03-Oct-21	SUNDAY
04-Oct-21	Computer Graphics and Its Types
05-Oct-21	Applications of Computer Graphics
06-Oct-21	Applications of Computer Graphics
07-Oct-21	Maharaja Agrasen Jayanti
08-Oct-21	Graphics Display Devices: CRT (Random-Scan and Raster Scan Monitor)
09-Oct-21	Doubt Class
10-Oct-21	SUNDAY
11-Oct-21	Test
12-Oct-21	Graphics Display Devices: CRT (Random-Scan and Raster Scan Monitor)
13-Oct-21	Color CRT Monitors
14-Oct-21	Refresh CRT and Interlacing
15-Oct-21	Dussehra
16-Oct-21	Refresh CRT and Interlacing
17-Oct-21	SUNDAY
18-Oct-21	DVST
19-Oct-21	Hard copy devices
20-Oct-21	Maharishi Valmiki Jayanti
21-Oct-21	Emissive and Non- Emissive Display devices
22-Oct-21	Graphics Software Standards.
23-Oct-21	Doubt Class
24-Oct-21	SUNDAY
25-Oct-21	Test
26-Oct-21	Scan Conversion: Scan Converting a Point
27-Oct-21	Scan Converting a Line
28-Oct-21	Slope Method
29-Oct-21	DDA
30-Oct-21	Doubt Class
31-Oct-21	SUNDAY
01-Nov-21	Diwali Break
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Test

09-Nov-21	Bresenham's Algorithm
10-Nov-21	Circle: Mid Ponit
11-Nov-21	Bresenham's Algorithm
12-Nov-21	Anti- aliasing
13-Nov-21	Doubt Class
14-Nov-21	SUNDAY
15-Nov-21	Doubt Class
16-Nov-21	2-D Graphics Transformations : Rotations
17-Nov-21	Scaling, Translation
18-Nov-21	Test
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	Revision Class
21-Nov-21	SUNDAY
22-Nov-21	Test
23-Nov-21	Reflection
24-Nov-21	Reflection
25-Nov-21	Shearing
26-Nov-21	Shearing
27-Nov-21	Doubt Class
28-Nov-21	SUNDAY
29-Nov-21	Test
30-Nov-21	Homogeneous coordinates: Need
1-Dec-21	Transformations in Homogeneous Coordinates
2-Dec-21	Composite Transformation
3-Dec-21	Polygon Filling: Scan-Line Polygon Fill Algorithm
4-Dec-21	Doubt Class
5-Dec-21	SUNDAY
6-Dec-21	Test
7-Dec-21	Inside-Outside tests
8-Dec-21	Inside-Outside tests
9-Dec-21	Boundary-Fill Algorithm
10-Dec-21	Flood Fill Algorithm
11-Dec-21	Doubt Class
12-Dec-21	SUNDAY
13-Dec-21	Flood Fill Algorithm
14-Dec-21	Cell Array, Character Generation
15-Dec-21	Cell Array, Character Generation
16-Dec-21	Two-Dimensional Viewing: The Viewing Pipeline
17-Dec-21	Doubt Class
18-Dec-21	Doubt Class
19-Dec-21	SUNDAY
20-Dec-21	Test
21-Dec-21	Window to View port coordinate transformation
22-Dec-21	Clipping Operations: Point Clipping
23-Dec-21	Clipping Operations :Line Clipping: Cohen Sutherland
24-Dec-21	Clipping Operations :Line Clipping :Liang Bersky
25-Dec-21	CHRISTMAS DAY

26-Dec-21	SUNDAY
27-Dec-21	Polygon Clipping for convex and concave polygons: Sutherland Hodgeman
28-Dec-21	Polygon Clipping for convex and concave polygons: Sutherland Hodgeman
29-Dec-21	Polygon Clipping for convex and concave polygons: Weiler Atherton
30-Dec-21	Polygon Clipping for convex and concave polygons: Weiler Atherton
31-Dec-21	Doubt Class
1-Jan-22	Text Clipping, Exterior Clipping
2-Jan-22	SUNDAY
3-Jan-22	Test
4-Jan-22	Interactive Picture-Construction Techniques;
5-Jan-22	Basic Positioning Method
6-Jan-22	Basic Positioning Method
7-Jan-22	Constraints, Grids
8-Jan-22	Gravity field
9-Jan-22	GURU GOBIND SINGH JAYANTI (SUNDAY)
10-Jan-22	Rubber Band Methods
11-Jan-22	Dragging
12-Jan-22	Painting and Drawing
13-Jan-22	Three-Dimensional Concepts: Three Dimensional Display Methods
14-Jan-22	Parallel Projection and Perspective Projection
15-Jan-22	3D Transformations: Translation.
16-Jan-22	SUNDAY
17-Jan-22	3D Transformations :Rotation
18-Jan-22	3D Transformations : Scaling
19-Jan-22	Applications of 3D graphics
20-Jan-22	Applications of 3D graphics
21-Jan-22	Applications of 3D graphics
22-Jan-22	Doubt Class
23-Jan-22	SUNDAY
24-Jan-22	Doubt Class
25-Jan-22	Doubt Class
26-Jan-22	REPUBLIC DAY
27-Jan-22	Discussion of Previous Year Question Papers
28-Jan-22	Discussion of Previous Year Question Papers
29-Jan-22	Discussion of Previous Year Question Papers

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (July 2021-22)

Name of the Associate/Assistant Professor: Ms. Shivani Gupta

Class and Section: Msc.(CS) 1st Sem.

Subject: DISCRETE MATHEMATICS

Mode of Teaching: Offline

Lectures Per Week:6

Date	Topic to be Covered
23-Nov-21	Orientation Of The Students
24-Nov-21	Introduction Of The Syllabus
25-Nov-21	Introduction Of The Sets
26-Nov-21	Sets
27-Nov-21	Sets
28-Nov-21	SUNDAY
29-Nov-21	SETS: Introduction
30-Nov-21	Sets and its types: Equal Sets Universal Sets, Finite and Infinite Sets
1-Dec-21	Subsets
2-Dec-21	Power Set
3-Dec-21	Operation on Sets, Union, Intersection and Complements of Sets
4-Dec-21	Operation on Sets, Union, Intersection and Complements of Sets
5-Dec-21	SUNDAY
6-Dec-21	Cardinality of Set
7-Dec-21	Simple Applications
8-Dec-21	Simple Applications
9-Dec-21	Cartesian Product
10-Dec-21	Exercise
11-Dec-21	Exercise
12-Dec-21	SUNDAY
13-Dec-21	Class Test
14-Dec-21	MATRICES: Introduction
15-Dec-21	Definition, Types of Matrices
16-Dec-21	Addition, Subtraction, Scalar Multiplication
17-Dec-21	Multiplication of Matrices
18-Dec-21	Multiplication of Matrices
19-Dec-21	SUNDAY
20-Dec-21	Exercise
21-Dec-21	DETERMINANTS: Definition
22-Dec-21	Minors, Cofactors, Properties of Determinants
23-Dec-21	Minors, Cofactors, Properties of Determinants
24-Dec-21	Applications of determinants in finding area of triangle
25-Dec-21	CHRISTMAS DAY
26-Dec-21	SUNDAY
27-Dec-21	Solving a system of linear equations
28-Dec-21	Adjoint of Matrices
29-Dec-21	Inverse of Matrices
30-Dec-21	Solving system of linear equation Cramer's Rule.

31-Dec-21	Exercise
1-Jan-22	Doubts Session
2-Jan-22	SUNDAY
3-Jan-22	Doubts Session
4-Jan-22	Relations and Functions: Introduction
5-Jan-22	Properties of Relations
6-Jan-22	Equivalence Relation
7-Jan-22	Exercise
8-Jan-22	Exercise
9-Jan-22	GURU GOBIND SINGH JAYANTI (SUNDAY)
10-Jan-22	Doubts Session
11-Jan-22	Class Test
12-Jan-22	Partial Order Relation
13-Jan-22	Exercise
14-Jan-22	Doubts Session
15-Jan-22	Function: Domain and Range
16-Jan-22	SUNDAY
17-Jan-22	Exercise
18-Jan-22	Onto, Into and One to One Functions
19-Jan-22	Composite and Inverse Functions
20-Jan-22	Exercise
21-Jan-22	Doubts Session
22-Jan-22	Class test
23-Jan-22	SUNDAY
24-Jan-22	<i>Propositional Logic</i>
25-Jan-22	Basic logic, Logical Connectives
26-Jan-22	REPUBLIC DAY
27-Jan-22	Truth tables
28-Jan-22	Tautologies, contradiction
29-Jan-22	Logical implication, Logical equivalence
30-Jan-22	SUNDAY
31-Jan-22	Normal forms
1-Feb-22	Theory of Inference and deduction
2-Feb-22	Predicate Calculus
3-Feb-22	Predicates and quantifiers
4-Feb-22	Mathematical Induction
5-Feb-22	VASANT PANCHMI
6-Feb-22	SUNDAY
7-Feb-22	Excercise
8-Feb-22	Doubt session
9-Feb-22	Introduction to defining language
10-Feb-22	Kleene Closure
11-Feb-22	Arithmetic expressions
12-Feb-22	Chomsky Hierarchy
13-Feb-22	SUNDAY

14-Feb-22	Regular expressions
15-Feb-22	Conversion of regular expression to Finite Automata
16-Feb-22	GURU RAVIDAS JAYANTI
17-Feb-22	FA with output
18-Feb-22	NFA
19-Feb-22	DFA
20-Feb-22	SUNDAY
21-Feb-22	Conversion of NFA to DFA
22-Feb-22	Mealy machine
23-Feb-22	Moore machine
24-Feb-22	Revision
25-Feb-22	Revision
26-Feb-22	MAHARISHI DAYANAND SARASWATI JAYANTI
27-Feb-22	SUNDAY
28-Feb-22	Previous Year Question