

Lesson plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Sakshi Aneja

Class- BCA-II

Subject- BCA – 246 MANAGEMENT INFORMATION SYSTEM

April, 2021 4 th Week 20 April 22-24 April	Introduction to system and Basic System Concepts, Types of Systems, The Systems Approach
21 April, 2021 25 April, 2021	Ram Navami Sunday (Mahavir Jayanti)
5 th Week 26-30 April	Information System: Definition & Characteristics, Types of information, Role of Information in Decision-Making, Sub-Systems of an Information system: EDP and MIS management levels, DP/MIS/DSS.
02 May, 2021	Sunday
May, 2021 1 st Week 01 May, 03-08 May	An overview of Management Information System: Definition & Characteristics, Components of MIS, Frame Work for Understanding
09 May, 2021	Sunday
2 nd Week 10 May-13 May 15 May	MIS: Information requirements & Levels of Management, Simon's Model of decision-Making, Structured Vs Un-structured decisions, Formal vs. Informal systems.
14 May, 2021 16 May, 2021	Id-Ul-Fitr Sunday
3 rd Week 17 May-22 May	Developing Information Systems: Analysis & Design of Information Systems: Implementation & Evaluation, Pitfalls in MIS Development.
23 May, 2021	Sunday
4 th Week 24 May-29 May 31 May	Revision & Discussions Tests
30 May, 2021	Sunday
June, 2021 1 st Week 31 May 01-05 June	Functional MIS: A Study of Personnel, Financial and production MIS,
06 June, 2021	Sunday
June, 2021 2 nd Week 07 June-12 June	Introduction to e-business systems, ecommerce – technologies, Applications.

Name of the Teacher – Ms. Sakshi Aneja

Class- BCA-II

Subject- BCA – 246 MANAGEMENT INFORMATION SYSTEM

13 June, 2021	Sunday
3 rd Week 14 June-19 June	Decision support systems – support systems for planning, control and decision-making
20 June, 2021	Sunday
3 rd Week 21 June-23 June	Discussions
27 June, 2021	Sunday
4 th Week 28 June-30 June	Revision of Syllabus and Class Tests.

Lesson plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Sakshi Aneja

Class- BCA-III

Subject- BCA-362: Operating System-II

April, 2021 4 th Week 20 April 22-24 April	Process Synchronization: The Critical Section Problem – Single Process/Two Process Solutions; Semaphores – Types, Implementation, Deadlocks and Starvation; Classical Problems of Synchronization – The Bounded Buffer Problem, The Readers and Writers Problem,
21 April, 2021 25 April, 2021	Ram Navami Sunday (MahavirJayanti)
5 th Week 26-30 April	The Dining- Philosophers Problem, Critical Regions, Monitors Directory Structure: Single Level, Two Level, Tree Structures, Acyclic Graph, General Graph; Directory Implementation, Recovery
02 May, 2021	Sunday
May, 2021 1 st Week 01 May, 03-08 May	Secondary Storage Structure: Disk Structure, Disk Scheduling: FCFS, SSTF, SCAN, C-SCAN, LOOK; Selection of Disk Scheduling Algorithm; Disk Management; Swap Space Management
09 May, 2021	Sunday
2 nd Week 10 May-13 May 15 May	Network Operating Systems: Remote Login, Remote File Transfer; Distributed Operating System: Data Migration, Computation Migration, Process Migration
14 May, 2021 16 May, 2021	Id-UI-Fitr Sunday
3 rd Week 17 May-22 May	Linux: Introduction, Features, Architecture, Distributions, Accessing Linux System, Login/Logout/Shutting Down, Comparison of Linux with other Operating Systems, Commands in Linux: General-Purpose Commands, File Oriented Commands, Directory Oriented Commands,
23 May, 2021	Sunday
4 th Week 24 May-29 May 31 May	Communication Oriented Commands, Process Oriented Commands, Redirection of Input and Output,Pipes
30 May, 2021	Sunday
June, 2021 1 st Week 31 May 01-05 June	Program Discussion and Practical
06 June, 2021	Sunday
June, 2021 2 nd Week 07 June-12 June	Linux File System: Types of Files in Linux, File Attributes, Structure of File System, inode, File Permission, File System Components, Standard File System, File System Types, Disk Related Commands

Name of the Teacher – Ms. Sakshi Aneja

Class- BCA-III

Subject- BCA-362: Operating System-II

13 June, 2021	Sunday
3 rd Week 14 June-19 June	Processes in Linux: Introduction, Job Control in Linux using at, batch, cron & time commands The vi editor: Introduction, Modes of vi Editor, Command in vi Editor Shell Programming: Introduction, Shell Variables, Shell Keywords, Operators, Assigning Values to the Variables, I/O in Shell, Control Structures, Creating & Executing Shell Programs in Linux.
20 June, 2021	Sunday
3 rd Week 21 June-23 June	Programs Discussion
27 June, 2021	Sunday
4 th Week 28 June-30 June	Revision of Syllabus and Class Tests.

Lesson plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Sakshi Aneja

Class- M.Sc 2nd Sem.

Subject- MS-15-22 LINUX AND SHELL PROGRAMMING

April, 2021 4 th Week 20 April 22-24 April	Introduction to Unix/Linux: Evolution of Unix/Linux, Unix/Linux distributions, Linux/Unix operating system, Linux/Unix architecture, Features of Linux/Unix
21 April, 2021 25 April, 2021	Ram Navami Sunday (MahavirJayanti)
5 th Week 26-30 April	Interfacing with Unix/Linux system. Commands in Unix/Linux: General-Purpose commands, File oriented commands, directory oriented commands, Communication-oriented commands, process oriented commands and other commonly used commands.
02 May, 2021	Sunday
May, 2021 1 st Week 01 May, 03-08 May	Regular expressions & Filters in Linux: Regular expressions and their use, Simple filters viz. more, wc, diff, sort, uniq, grep, sed, etc.
09 May, 2021	Sunday
2 nd Week 10 May-13 May 15 May	Linux/Unix file system: Linux/Unix files, inodes and structure and file system, file system components, standard file system, file system types, file system mounting and unmounting.
14 May, 2021 16 May, 2021	Id-Ul-Fitr Sunday
3 rd Week 17 May-22 May	Processes in Linux : starting and stopping processes, initialization Processes, mechanism of process creation, job control - at, batch, cron, time, Signal handling.
23 May, 2021	Sunday
4 th Week 24 May-29 May 31 May	System Calls: creat, open, close, read, write, isseek, link, unlink, stat, fstat, umask, chmod, exec, fork, wait, system.
30 May, 2021	Sunday
June, 2021 1 st Week 31 May 01-05 June	Program Discussion and Practical
06 June, 2021	Sunday
June, 2021 2 nd Week 07 June-12 June	Basic system administration in Linux/Unix. Shell Programming: vi editor, shell variables, I/O in shell, control structures

Name of the Teacher – Ms. Sakshi Aneja

Class- M.Sc 2nd Sem.

Subject- MS-15-22 LINUX AND SHELL PROGRAMMING

13 June, 2021	Sunday
3 rd Week 14 June-19 June	Loops, subprograms, command line programming, creating shell scripts.
20 June, 2021	Sunday
3 rd Week 21 June-23 June	Programs Discussion
27 June, 2021	Sunday
4 th Week 28 June-30 June	Revision of Syllabus and Class Tests.

Lesson plan for the Even semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Sakshi Aneja

Subject-Computers

Paper: Computer Awareness (Level-01)

Class: B.A.I (Group-1)

May 2021 1st Week 3 May-5 May	Operating System - Definition & Functions of Operating System, Basics of Popular Operating Systems;
2nd Week 10 May-12 May	The User Interface, Exploring Computer, Icons, taskbar, desktop, Using Menu and Menu-selection, managing files and folders,
14 May, 2021 16 May, 2021	Id-UI-Fitr Sunday
3rd Week 17 May-19 May	Control panel – display properties, add/remove software and hardware, Running an Application, Using help; Creating Short cuts, Basics of O.S Setup; Common utilities.
23 May, 2021	Sunday
4th Week 24 May-26 May	Word Processing: Introduction to Word Processing, Menus, Creating, Editing & Formatting Document, Spell Checking, Printing, Views, Tables, Word Art, Mail Merge, Macros.
30 May, 2021	Sunday
June, 2021 1st Week 31 May-02 June	Spread Sheet: Elements of Electronics Spread Sheet, Applications, Creating and Opening of Spread Sheet, Menus, Manipulation of cells: Enter texts numbers and dates, Cell Height and Widths, Copying of cells, Mathematical, Statistical and Financial function, Drawing different types of charts.
06 June, 2021	Sunday
June, 2021 2nd Week 07 June-09 June	Presentation Software: Creating, modifying and enhancing a presentation, Delivering a presentation, Using sound, animation and design templates in presentation
13 June, 2021	Sunday
3rd Week 14 June-16 June	Computer Communication: Internet and its applications, Connecting to internet, Surfing the Internet using web browsers, Web Browsing softwares, Search Engines, Understanding URL, Domain name, IP Address,
20 June 2021	Sunday
3rd Week 21 June-23 June	Creating Email Id, Viewing an E-Mail, Sending an E-Mail to a single and multiple users, Sending a file as an attachment.
27 June, 2021	Sunday
4th Week 28 June-30 June	Revision of Syllabus and Class Tests

Lesson plan for the Even semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Sakshi Aneja

Subject-Computers

Paper: Computer Awareness (Level-01)

Class: B.A.I (Group-2)

May 2021 1st Week 1,6,7 May	Operating System - Definition & Functions of Operating System, Basics of Popular Operating Systems;
2ndWeek 13 May-15May	The User Interface, Exploring Computer, Icons, taskbar, desktop, Using Menu and Menu-selection, managing files and folders,
14 May, 2021 16 May, 2021	Id-UI-Fitr Sunday
3rdWeek 20 May-22May	Control panel – display properties, add/remove software and hardware, Running an Application, Using help; Creating Short cuts, Basics of O.S Setup; Common utilities.
23 May, 2021	Sunday
4thWeek 27 May-29 May	Word Processing: Introduction to Word Processing, Menus, Creating, Editing & Formatting Document, Spell Checking, Printing, Views, Tables, Word Art, Mail Merge, Macros.
30 May, 2021	Sunday
June, 2021 1st Week 3 June-05 June	Spread Sheet: Elements of Electronics Spread Sheet, Applications, Creating and Opening of Spread Sheet, Menus, Manipulation of cells: Enter texts numbers and dates, Cell Height and Widths, Copying of cells, Mathematical, Statistical and Financial function, Drawing different types of charts.
06 June, 2021	Sunday
June, 2021 2ndWeek 10 June-12 June	Presentation Software: Creating, modifying and enhancing a presentation, Delivering a presentation, Using sound, animation and design templates in presentation
13 June, 2021	Sunday
3rdWeek 17 June-19 June	Computer Communication: Internet and its applications, Connecting to internet, Surfing the Internet using web browsers, Web Browsing softwares, Search Engines, Understanding URL, Domain name, IP Address,
20 June, 2021	Sunday
3rd Week 24 June-26 June	Creating Email Id, Viewing an E-Mail, Sending an E-Mail to a single and multiple users, Sending a file as an attachment.
27 June, 2021	Sunday
4th Week 28 June-30 June	Revision of Syllabus and Class Tests

Lesson plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Harbinder Kaur

Class- BCA 2nd Sem.

Subject- BCA-121 Advanced Programming in C

April, 2021 4 th Week 19 -20 April 22-24 April	Strings in 'C': Introduction, Declaration and initialization of string, String I/O, Array of strings, String manipulation functions: String length, copy, compare, concatenate, search for a substring.
21 April, 2021 25 April, 2021	Ram Navami Sunday (Mahavir Jayanti)
5 th Week 26-30 April	Structure and Union: Introduction, Features of structures, Declaration and initialization of structures, Structure within structure, Array of structures, Structure and functions.
02 May, 2021	Sunday
May, 2021 1 st Week 01 May, 03-08 May	Union: Introduction, Union of structures. Typedef, Enumerations. Pointers: Introduction, Pointer variables.
09 May, 2021	Sunday
2 nd Week 10 May-13 May 15 May	Pointer operators, Pointer assignment, Pointer conversions, Pointer arithmetic, Pointer comparison, Pointers and arrays, Pointers and functions, Pointers and strings, Pointer to pointer, dynamic allocation using pointers.
14 May, 2021 16 May, 2021	Id-UI-Fitr Sunday
3 rd Week 17 May-22 May	Discussion of programs
23 May, 2021	Sunday
4 th Week 24 May-29 May	Files: Introduction, File types, File operations, File I/O, Structure Read and write in a file, Errors in file handling, Random-access I/O in files.
30 May, 2021	Sunday
June, 2021 1 st Week 31 May 01-05 June	Preprocessor: Introduction, #define, macros, macro versus functions,
06 June, 2021	Sunday

Name of the Teacher – Ms. Harbinder Kaur
Class- BCA 2nd Sem.
Subject- BCA-121 Advanced Programming in C

June, 2021 2 nd Week 07 June-12 June	#include, Conditional compilation directives, undefining a macro. Command line arguments: defining and using command line arguments.
13 June, 2021	Sunday
3 rd Week 14 June-19 June	Revision of all UNITS
20 June, 2021	Sunday
3 rd Week 21 June-23 June	Revision and Tests.
27 June, 2021	Sunday
4 th Week 28 June-30 June	Revision of Syllabus and Class Tests.

Lesson plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Harbinder Kaur

Class- BCA 4th Sem.

Subject- BCA-242 (Advanced Programming using C++)

April, 2021 4 th Week 19 -20 April 22-24 April	Polymorphism and its Types: Static & Dynamic Polymorphism: Function Overriding, Virtual Function and its Need.
21 April, 2021 25 April,2021	Ram Navami Sunday (MahavirJayanti)
5 th Week 26-30April	Pure Virtual Function, Abstract Class, Virtual Destructor. Inheritance: Rules of Derivations – Private, Protected and Public Derivations.
02 May, 2021	Sunday
May, 2021 1 st Week 01 May, 03-08 May	Different Forms of Inheritance – Single, Multiple, Multilevel, Hierarchical and Multipath Inheritance and its different examples.
09 May, 2021	Sunday
2 nd Week 10 May-13 May 15 May	Roles of Constructors and Destructors in Inheritance. Genericity in C++: Templates in C++, Function templates.
14 May, 2021 16 May, 2021	Id-UI-Fitr Sunday
3 rd Week 17 May-22 May	Type Conversion: Basic Type Conversion, Conversion between objects and basic types, Conversion between objects of different classes.
23 May, 2021	Sunday
4 th Week 24 May-29 May	Class templates in C++, Exception Handling in C++: try, throw and catch
30 May, 2021	Sunday
June, 2021 1 st Week 31 May 01-05 June	Program Discussion and Practical
06 June, 2021	Sunday

Name of the Teacher – Ms. Harbinder Kaur

Class- BCA 4th Sem.

Subject- BCA-242 (Advanced Programming using C++)

June, 2021 2 nd Week 07 June-12 June	Files I/O in C++: Class Hierarchy for Files I/O, Text versus Binary Files, Opening and Closing Files.
13 June, 2021	Sunday
3 rd Week 14 June-19 June	File Pointers, Operation on files. Program Discussion & Revision
20 June, 2021	Sunday
3 rd Week 21 June-23 June	Revision and Tests.
27 June, 2021	Sunday
4 th Week 28 June-30 June	Revision of Syllabus and Class Tests.

Lesson plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Harbinder Kaur

Class- BCA 6th Sem.

Subject- BCA-265 (Advanced Programming using VB)

April, 2021 4 th Week 19 -20 April 22-24 April	Collections: Adding, Removing, Counting, Returning Items in a Collection, Processing a Collection
21 April, 2021 25 April,2021	Ram Navami Sunday (MahavirJayanti)
5 th Week 26-30April	Working with Forms: Form Properties, Creating, Adding, Removing Forms in Project, Adding Multiple Forms, Managing Forms at Run Time, Hiding & Showing Forms, Load & Unload Statements, Drag and Drop Operation, Activate & Deactivate events, Form-load event.
02 May, 2021	Sunday
May, 2021 1 st Week 01 May, 03-08 May	Example using Forms, Programs in VB using Forms
09 May, 2021	Sunday
2 nd Week 10 May-13 May 15 May	Working with Menu: Menu Designing in VB, Adding a Menu to a Form, Modifying and Deleting Menu Items, Adding Access Characters, Adding Shortcut Keys, Manipulating Menus using Common Dialog Box, Attaching Code to Events, Creating Submenus, Dynamic Menu Appearance
14 May, 2021 16 May, 2021	Id-UI-Fitr Sunday
3 rd Week 17 May-22 May	Advanced Controls in VB: Scroll Bar, Slider Control, Tree View, List View, Rich Text Box Control, Toolbar, Status Bar, Progress Bar, Cool bar, Image List
23 May, 2021	Sunday
4 th Week 24 May-29 May	Program Development in VB using Menus and Advance Controls File Handling & File Controls: Sequential & Random files, Opening and Closing Data Files, Viewing the Data in a File,
30 May, 2021	Sunday
June, 2021 1 st Week 31 May 01-05 June	Program Discussion and Practical
06 June, 2021	Sunday

Name of the Teacher – Ms. Harbinder Kaur
Class- BCA 6th Sem.
Subject- BCA-265 (Advanced Programming using VB)

June, 2021 2 nd Week 07 June-12 June	Performing Operations on a File, Creating a Sequential Data File, Writing Data to a Sequential File, Reading the Data in a Sequential File, Finding the End of a Data File, Locating a File, Reading and Writing a Random File (get, put, LOF, seek).
13 June, 2021	Sunday
3 rd Week 14 June-19 June	Accessing Databases: Data Controls, Data-Bound Controls, DAO, RDO, ADO, Creating the Database, Setting Properties, Applying Operations on Database, Viewing the Database, Updating the Database (adding, deleting records)
20 June, 2021	Sunday
3 rd Week 21 June-23 June	Program Development in VB using Database and Advance Controls
27 June, 2021	Sunday
4 th Week 28 June-30 June	Revision of Syllabus and Class Tests.

Lesson plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Harbinder Kaur

Class- M.Sc 2nd Sem.

Subject- MS-15-21 JAVA PROGRAMMING

April, 2021 4 th Week 19 -20 April 22-24 April	Introduction to Java: Importance and features of Java, Java virtual machine, Byte code, JDK, Keywords, constants, variables and Data Types, Operators and Expressions, Decision Making, Branching and Looping, jump statements: break, continue, return.
21 April, 2021 25 April, 2021	Ram Navami Sunday (MahavirJayanti)
5 th Week 26-30 April	Introducing classes, objects and methods: defining a class, adding variables and methods, creating objects, constructors, class inheritance. Arrays and String: Creating an array, one and two dimensional arrays, string array and methods.
02 May, 2021	Sunday
May, 2021 1 st Week 01 May, 03-08 May	Packages and interfaces, Exception Handling: Fundamentals exception types, uncaught exceptions, throw exception, built in exception, creating your own exceptions,
09 May, 2021	Sunday
2 nd Week 10 May-13 May 15 May	Multithreaded Programming: Fundamentals, Java thread model: synchronization, messaging, thread classes, Runnable interface, inter thread Communication, suspending, resuming and stopping threads.
14 May, 2021 16 May, 2021	Id-Ul-Fitr Sunday
3 rd Week 17 May-22 May	Revision of Unit 1 & Unit 2 I/O Streams: String and String Buffer classes, Wrapper classes: Basics types, using super, Multilevel hierarchy abstract and final classes.
23 May, 2021	Sunday
4 th Week 24 May-29 May	Input/Output Programming: Basics, Streams, Byte and Character Stream, predefined streams, Reading and writing from console and files.
30 May, 2021	Sunday
June, 2021 1 st Week 31 May 01-05 June	Program Discussion and Practical
06 June, 2021	Sunday

Name of the Teacher – Ms. Harbinder Kaur
Class- M.Sc 2nd Sem.
Subject- MS-15-21 JAVA PROGRAMMING

June, 2021 2 nd Week 07 June-12 June	Event Handling: Different Mechanism, the Delegation Event Model, Event Classes, Event Listener Interfaces, Adapter and Inner Classes,.
13 June, 2021	Sunday
3 rd Week 14 June-19 June	Working with windows, Graphics and Text, using AWT controls, Layout managers and menus, handling Image, animation, sound and video,
20 June, 2021	Sunday
3 rd Week 21 June-23 June	Java Applet. Beans: Introduction to Java Beans and Swings
27 June, 2021	Sunday
4 th Week 28 June-30 June	Revision of Syllabus and Class Tests.

Lesson plan for the Even semester (April, 2021 to June, 2021)

Name of the Teacher – Neha Sharma

Subject- Office Automation Tools

Class- BCA-2nd Sem

April, 2021 4 th Week 19 -20 April 22-24 April	Desktop Publishing: Concept, Need and Applications; Hardware and Software requirements for DTP,
21 April, 2021 25 April,2021	Ram Navami Sunday (MahavirJayanti)
5 th Week 26-30April	An Overview and comparison between DTP packages, Common features of DTP.
02 May, 2021	Sunday
May, 2021 1 st Week 01 May, 03-08 May	Introduction to Page Maker: Features, System Requirements,
09 May, 2021	Sunday
2 nd Week 10 May-13 May 15 May	Components of Page Maker Window, Introduction to Menu and Toolbars, PageMaker Preferences
14 May, 2021 16 May, 2021	Id-Ul-Fitr Sunday
3 rd Week 17 May-22 May	Creating of Publications: Starting PageMaker, Setting Page size, Placing the text Formatting the text: Character Specification Paragraph setting: Paragraph Specification, Paragraph Rules, Spacing, Indents/Tabs, Define Styles, Hyphenation, Header & Footer, Page Numbering, Saving and Closing publication.
23 May, 2021	Sunday
4 th Week 24 May-29 May	Editing Publication: Open a publication ,Story editor, Find and change the text, Change character and Paragraph attributes ,spell checking ,Selecting text, Cut, Copy, Paste, Paste multiple, Working with columns
30 May, 2021	Sunday
June, 2021 1 st Week 31 May 01-05 June	Word Processing: Introduction to Office Automation, Creating & Editing Document, Formatting Document, Auto-text, Autocorrect, Spelling and Grammar Tool, Document Dictionary, Page Formatting, Bookmark,
06 June, 2021	Sunday
June, 2021 2 nd Week 07 June-12 June	Advance Features of Word-Mail Merge, Macros, Tables, File Management, Printing, Styles, linking and embedding object.
13 June, 2021	Sunday
3 rd Week 14 June-19 June	Presentation using PowerPoint: Presentations, Creating, Manipulating & Enhancing Slides, Organizational Charts, Excel Charts, Word Art, Layering art Objects, Animations and Sounds
20 June, 2021	Sunday
3 rd Week 21 June-23 June	Inserting Animated Pictures or Accessing through Object, Inserting Recorded Sound Effect or In-Built Sound Effect.
27 June, 2021	Sunday
4 th Week 28 June-30 June	-Revision of Syllabus and Class Tests

Lesson plan for the Even semester (April, 2021 to June, 2021)

Name of the Teacher – Neha Sharma

Subject- Advanced Data Structures

Class- BCA-4th Sem

April, 2021 4 th Week 19 -20 April 22-24 April	Tree: Introduction, Definition, Representing Binary tree in memory, Traversing binary trees, Traversal algorithms using stacks,
21 April, 2021 25 April,2021	Ram Navami Sunday (Mahavir Jayanti)
5 th Week 26-30April	Traversal algorithms using stacks continued., Binary search trees: introduction, storage, Searching, Insertion
02 May, 2021	Sunday
May, 2021 1 st Week 01 May, 03-08 May	Deletion in a Binary search tree, Huffman's algorithm, General trees Graph: Introduction,
09 May, 2021	Sunday
2 nd Week 10 May-13 May 15 May	Graph theory terminology, Sequential and linked representation of graphs, operations on graphs,
14 May, 2021 16 May, 2021	Id-UI-Fitr Sunday
3 rd Week 17 May-22 May	traversal algorithms in graphs and their implementation, Warshall's algorithm for shortest path,
23 May, 2021	Sunday
4 th Week 24 May-29 May 30 May, 2021	Dijkstra algorithm for shortest path, Sorting: Internal & external sorting, Radix sort, Quick sort, Tournament sort,
June, 2021 1 st Week 31 May 01-05 June	Heap sort, Merge sort, Comparison of various sorting and searching algorithms on the basis of their complexity
06 June, 2021	Sunday
June, 2021 2 nd Week 07 June-12 June	Files: Introduction Attributes of a file, Classification of files, File operations,
13 June, 2021	Sunday
3 rd Week 14 June-19 June	Comparison of various types of files, File organization: Sequential,
20 June, 2021	Sunday
3 rd Week 21 June-23 June	Indexed-sequential, Random-access file. Hashing: Introduction, Collision resolution
27 June, 2021	Sunday
4 th Week 28 June-30 June	-Revision of Syllabus and Class Tests

Lesson plan for the Even semester (April, 2021 to June, 2021)

Name of the Teacher – Neha Sharma

Subject- E-Commerce

Class- BCA-4th Sem

April, 2021 4 th Week 19 -20 April 22-24 April	Introduction to E-Commerce:-Business operations; E-commerce practices vs. traditional business practices; concepts of b2b, b2c,c2c,b2g,g2h,g2c; Features of E-Commerce, Types of Ecommerce Systems, Elements of E-Commerce, principles of E-Commerce,
21 April, 2021 25 April,2021	Ram Navami Sunday (Mahavir Jayanti)
5 th Week 26-30April	Benefits and Limitations of E-Commerce.Management Issues relating to e-commerce. Operations of E-commerce: Credit card transaction; Secure Hypertext Transfer Protocol (SHTP); Electronic payment systems;
02 May, 2021	Sunday
May, 2021 1 st Week 01 May, 03-08 May	Secure electronic transaction (SET); SET` s encryption; Process; Cybercash; Smart cards; Indian payment models. Applications in governance: EDI in governance; E-government; E-Governance applications of Internet; concept of government –to- business, business-to-government and citizen-to-government;
09 May, 2021	Sunday
2 nd Week 10 May-13 May 15 May	E-governance models; Private sector interface in E-governance. Applications in B2C: Consumers shopping procedure on the Internet; Impacton disintermediation and re-intermediation;
14 May, 2021 16 May, 2021	Id-Ul-Fitr Sunday
3 rd Week 17 May-22 May	Global market; Strategy of traditional department stores, Products in b2c model; success factors of e-brokers; Broker-based services on-line;
23 May, 2021	Sunday
4 th Week 24 May-29 May	On- line travel tourism services; Benefits and impact of e-commerce on travel industry; Deal estate market; online stock trading and its benefits;
30 May, 2021	Sunday
June, 2021 1 st Week 31 May 01-05 June	Online banking and its benefits; On- line financial services and their future; E-auctions – benefits, implementation and impact. Applications in B2B: Key technologies for b2b; architectural models of b2b, characteristics of the supplier –oriented marketplace, buyer-oriented marketplace and intermediary-oriented marketplace;
06 June, 2021	Sunday
June, 2021 2 nd Week 07 June-12 June	Just In Time delivery in b2b; Internet-based EDI from traditional EDI; Marketing Issues in b2b. Emerging Business models: Retail model; Media model; advisory model,
13 June, 2021	Sunday
3 rd Week 14 June-19 June	made-to-order manufacturing model; Do-it- yourself model; Information service model; Emerging hybrid models; Emerging models in India,
20 June, 2021	Sunday
3rd Week 21 June-23 June	Internet & E-Commerce scenario in India; Internet security Issues; Legal aspects of E-commerce

Name of the Teacher – Neha Sharma

Subject- E-Commerce

Class- BCA-4th Sem

27 June, 2021	Sunday
4 th Week 28 June-30 June	-Revision of Syllabus and Class Tests

Lesson plan for the Even semester (April, 2021 to June, 2021)

Name of the Teacher – Neha Sharma

Subject- Internet Technologies

Class- BCA-6th Semester

April, 2021 4 th Week 19 -20 April 22-24 April	Internet: Introduction; History; Internet Services; TCP/IP: Architecture, Layers, Protocols; TCP/IP model versus OSI Model;
21 April, 2021 25 April,2021	Ram Navami Sunday (Mahavir Jayanti)
5 th Week 26-30April	World Wide Web (WWW) - The Client Side, The Server Side, Creating and Searching Information on the Web, Popular Search Engines, URL
02 May, 2021	Sunday
May, 2021 1 st Week 01 May, 03-08 May	HTTP, Web Browsers, Chat & Bulletin Board, USENET & NNTP (Network News Transfer Protocol); Internet vs. Intranet
09 May, 2021	Sunday
2 nd Week 10 May-13 May 15 May	TCP, UDP and IP Protocols, Port Numbers; Format of TCP, UDP and IP; IPv4 addressing; The need for IPv6; IPv6 addressing and packet format;
14 May, 2021 16 May, 2021	Id-UI-Fitr Sunday
3 rd Week 17 May-22 May	TCP Services; TCP Connection Management; Remote Procedure Call; IP Address Resolution- DNS; Domain Name Space; DNS Mapping; Recursive and Iterative Resolution;
23 May, 2021	Sunday
4 th Week 24 May-29 May	Mapping Internet Addresses to Physical Addresses: ARP, RARP, DHCP; ICMP; IGMP
30 May, 2021	Sunday
June, 2021 1 st Week 31 May 01-05 June	Application Layer: Electronic Mail: Architecture; Protocols - SMTP, MIME, POP, IMAP; Web Based Mail;
06 June, 2021	Sunday
June, 2021 2 nd Week 07 June-12 June	File Access and Transfer: FTP, Anonymous FTP, TFTP, NFS; Remote Login using TELNET; Voice and Video over IP: RTP, RTCP, IP Telephony and Signaling, RSVP
13 June, 2021	Sunday
3 rd Week 14 June-19 June	Routing in Internet: RIP, OSPF, BGP; Internet Multicasting; Mobile IP; Private Network Interconnection: Network Address Translation (NAT),
20 June, 2021	Sunday
3 rd Week 21 June-23 June	Virtual Private Network (VPN); Internet Management and SNMP; Internet Security: E-Mail Security; Web Security; Firewall; Introduction to IPSec and SSL
27 June, 2021	Sunday
4 th Week 28 June-30 June	-Revision of Syllabus and Class Tests

Lesson Plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher- Ms. Divya Vij

Subject- Computers

Paper- MS-15-23 Theory of Computation

Class- M.Sc. I Computer Science (2nd Semester)

April, 2021 3 rd Week April 19-20, 22-24, 2021	Computability and Non-computability and examples of non-computable problems, Russel's paradox, Finite State System, Extended Transition Function, Designing of DFA and NDFA.
April 21, 2021 April 25, 2021	Ram Navami Sunday (MahavirJayanti)
4 th Week April 26 -30, May 01, 2021	Finite Automata with E-Transitions, Equivalence of DFA and NFA with proof, Regular Expression, Laws of Regular Expressions, Kleene's Theorem 1 and 2, Properties and Limitations of FSM, FSM with Output: Moore and Mealy Machines,
02 May, 2021	Sunday
May, 2021 1 st Week May 03-08, 2021	Arden's Theorem with proof, Closure Properties of Regular Sets, Application of Pumping Lemma, Myhill-Nerode Theorem, Minimization of FA.
09 May, 2021	Sunday
2 nd Week May 10-13,15 2021	Grammar: Definition, Chomsky Classification of Grammars, Construction of Context Free Grammar, Derivation, Parse Trees, Ambiguity, Removal of Ambiguity, Simplification of Context Free Grammar, CNF and GNF,
14 May, 2021 16 May, 2021	Id-UI-Fitr Sunday
3 rd Week May 17-22, 2021	Closure properties of CFL, Pumping Lemma for CFL. Pushdown Automaton: Introduction, Types of PDA, Designing of PDA's, Conversion from PDA to CFG and vice-versa, Applications, Parsing: Early's, Cook-Kasami-Young, Tomito's, top-down and bottom-up methods.
23 May, 2021	Sunday
4 th Week May 24-29, 2021	Linear Bounded Automata (LBA), Turing machines, variants of TMs, Restricted TMs, TMs and Computers. Recursive and recursively-enumerable languages and Properties. Decidability: Post's correspondence problem, Rice's theorem, decidability of membership, emptiness and equivalence problems of languages.
30 May, 2021	Sunday
June, 2021 1 st Week May 31-June 05, 2021	Random Access Machines, Decidable languages, decidable problems, The halting problem, Diagonalization method, Undecidable problems for Regular expressions, Turing machines and other undecidable problems.
06 June, 2021	Sunday
June, 2021 2 nd Week June 07-12, 2021	Reducibility: The Set NP and Polynomial Verifiability, Polynomial-Time Reductions and NP-Completeness, The Cook-Levin Theorem.
13 June, 2021	Sunday

Lesson Plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher- Ms. Divya Vij

Subject- Computers

Paper- MS-15-23 Theory of Computation

Class- M.Sc. I Computer Science (2nd Semester)

3 rd Week June 14-19, 2021	Some Other NP-Complete Problems, Reduction, mapping reducibility, Computational Complexity: Primitive recursive functions, computable functions.
June 20, 2021	Sunday
3 rd Week June 21-26, 2021	Examples, Recursion theorem, Tractable and Intractable problems, Theory of Optimization.
June 27, 2021	Sunday
4 th Week June 28-30, 2021	-Revision of Syllabus and Class Tests

Lesson Plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher- Ms. Divya Vij

Subject- Computers

Paper- MS-15-24 Compiler Design

Class- M.Sc. I Computer Science (2nd Semester)

April, 2021 3 rd Week April 19-20, 22-24, 2021	Compilers and Translators, Need of Translators, Tools used for compilation, Structure and Phases of Compiler, Single-Pass and Multi-Pass Compilers, Bootstrapping, Compiler Construction Tools. Bootstrap compilers, Phases of Compilation process.
April 21, 2021 April 25, 2021	Ram Navami Sunday (Mahavir Jayanti)
4 th Week April 26 -30, May 01, 2021	Lexical Analysis: Design of Lexical Analyzer, Finite Automata and Regular Expressions, Lex package on UNIX systems. Process of Lexical Analysis, Recognition of Regular Expressions.
02 May, 2021	Sunday
May, 2021 1 st Week May 03-08, 2021	Syntax-Directed Translation: Translation Schemes, Implementation of Syntax-Directed Translators, Intermediate code and its need, Postfix Notation, Parse Trees and Syntax Trees, Three-address code and its representations, Boolean Expressions, Flow of Control.
09 May, 2021	Sunday
2 nd Week May 10-13, 15 2021	Symbol Table: Contents of Symbol Table, Data Structures used for symbol table, Representating scope information, Run Time Storage Administration: Types of Storage Allocation Schemes, Implementation of Stack Allocation Scheme.
14 May, 2021 16 May, 2021	Id-Ul-Fitr Sunday
3 rd Week May 17-22, 2021	Implementaion of Block Structured Languages, Storage Allocation in Block Structured Languages. Error Detection and Recovery: Errors, Lexical-Phase Errors, Syntactic Phase Errors, Semantic Errors. Parsing Techniques: Top down & Bottom-up parsing, Shift Reduce parsing, Operator Precedence parsing, Predictive Parsers. Left Recursion and its removal, Recursive Descent parser.
23 May, 2021	Sunday
4 th Week May 24-29, 2021	Automatic Construction of efficient Parsers: LR parsers, the Canonical Collection of LR(0) items, Constructing SLR parsing tables, Constructing Canonical LR parsing tables, Constructing LALR parsing tables, Using Ambiguous Grammars, an Automatic Parser Generator, Implementation of LR parsing tables, Constructing LALR sets of items. YACC package on UNIX systems.
30 May, 2021	Sunday
June, 2021 1 st Week May 31-June 05, 2021	Intermediate Code Generation: Object programs, Issues in the design of a code generator, Intermediate languages, Quadruples, Generating intermediate code for declarative statement.
06 June, 2021	Sunday
June, 2021 2 nd Week June 07-12, 2021	Register Allocation and Assignment statement, Boolean expression, and case statement, peephole optimization.

Lesson Plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher- Ms. Divya Vij

Subject- Computers

Paper- MS-15-24 Compiler Design

Class- M.Sc. I Computer Science (2nd Semester)

13 June, 2021	Sunday
3 rd Week June 14-19, 2021	Code Optimization: Principle sources of Optimization, optimization of basic blocks, Loop Optimizations, DAG, Representation of Basic Blocks
June 20, 2021	Sunday
3 rd Week June 21-26, 2021	Loop Invariant Computation, Reducible Flow Graphs, Global Data Flow Analysis, code improving transformation.
June 27, 2021	Sunday
4 th Week June 28-30, 2021	-Revision of Syllabus and Class Tests

Lesson Plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher- Ms. Divya Vij
 Subject- Computers
 Paper- BCA-363 Computer Graphics
 Class- BCA III (6th Semester)

April, 2021 3 rd Week April 19-20, 22-24, 2021	Introduction to Computer Graphics; Interactive and Passive Graphics; Applications of Computer Graphics;
April 21, 2021 April 25, 2021	Ram Navami Sunday (Mahavir Jayanti)
4 th Week April 26 -30, May 01, 2021	Display Devices: CRT; Random Scan, Raster Scan, Refresh Rate and Interlacing, Bit Planes, Color Depth, Color Palette, Color CRT Monitor, DVST.
02 May, 2021	Sunday
May, 2021 1 st Week May 03-08, 2021	Flat-Panel Displays: Plasma Panel, LED, LCD; Lookup Table, Interactive Input Devices, Display Processor, General Purpose Graphics Software, Coordinate Representations.
09 May, 2021	Sunday
2 nd Week May 10-13, 15 2021	Point-Plotting Techniques: Scan Conversion, Scan-Converting a Straight Line: The Symmetrical DDA, The Simple DDA, Bresenham's Line Algorithm; Scan-Converting a Circle: Circle drawing using Polar Coordinates.
14 May, 2021 16 May, 2021	Id-Ul-Fitr Sunday
3 rd Week May 17-22, 2021	Bresenham's Circle Algorithm, Scan-Converting an Ellipse: Polynomial Method, Trigonometric Method; Polygon Area Filling: Scan line Fill and Flood Fill Algorithms.
23 May, 2021	Sunday
4 th Week May 24-29, 2021	Two-Dimensional Graphics Transformation: Basic Transformations: Translation, Rotation, Scaling; Matrix Representations and Homogeneous Coordinates; Other Transformations: Reflection, Shearing.
30 May, 2021	Sunday
June, 2021 1 st Week May 31-June 05, 2021	Coordinate Transformations; Composite Transformations; Inverse Transformation; Affine Transformations. Raster Transformation, Graphical Input: Pointing and Positioning Devices and Techniques
06 June, 2021	Sunday
June, 2021 2 nd Week June 07-12, 2021	Two-Dimensional Viewing: Window and Viewport, 2-D Viewing Transformation Clipping: Point Clipping; Line Clipping: Cohen-Sutherland Line Clipping Algorithm.
13 June, 2021	Sunday
3 rd Week June 14-19, 2021	Mid-Point Subdivision Line Clipping Algorithm; Polygon Clipping: Sutherland-Hodgman Polygon Clipping Algorithm
June 20, 2021	Sunday

Lesson Plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher- Ms. Divya Vij

Subject- Computers

Paper- BCA-363 Computer Graphics

Class- BCA III (6th Semester)

3rd Week June 21-26, 2021	Three-Dimensional Graphics: Three-Dimensional Display Methods; 3-D Transformations: Translation, Rotation, Scaling; Composite Transformations
June 27, 2021	Sunday
4 th Week June 28-30, 2021	-Revision of Syllabus and Class Tests

Lesson Plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher- Ms. Divya Vij

Subject- Computers

Paper-I Programming in C

Class- B.Sc. I & B.A. I Computer Science (2nd Semester)

April, 2021 3 rd Week April 19-20, 2021	Overview of C: History & Importance of C.
April 21, 2021 April 25, 2021	Ram Navami Sunday (Mahavir Jayanti)
4 th Week April 26-28, 2021	Structure of a C Program. Elements of C: C character set, identifiers and keywords, Data types, Constants and Variables, Assignment statement, Symbolic constant.
02 May, 2021	Sunday
May, 2021 1 st Week May 03-05, 2021	Input/output: Unformatted & formatted I/O function, Input functions (scanf(), getch(), getche(), getchar(), gets()), Output functions (printf(), putchar(), puts()).
09 May, 2021	Sunday
2 nd Week May 10-12, 2021	Operators & Expression: Arithmetic, relational, logical, bitwise, unary, assignment, conditional operators and special operators. Arithmetic expressions, evaluation of arithmetic expression, type casting and conversion, operator hierarchy & associativity.
14 May, 2021 16 May, 2021	Id-Ul-Fitr Sunday
3 rd Week May 17-19, 2021	Decision making & branching: Decision making with IF statement, IF-ELSE statement, Nested IF statement, ELSE-IF ladder, switch statement, goto statement.
23 May, 2021	Sunday
4 th Week May 24-26, 2021	Decision making & looping: For, while, and do-while loop, jumps in loops, break, continue statement.
30 May, 2021	Sunday
June, 2021 1 st Week May 31-June 01-02, 2021	Functions: Definition, prototype, passing parameters, recursion.
06 June, 2021	Sunday
June, 2021 2 nd Week June 07-09, 2021	Storage classes in C: auto, extern, register and static storage class, their scope, storage, & lifetime.
13 June, 2021	Sunday
3 rd Week June 14-16, 2021	Arrays: Definition, types, initialization, processing an array.
June 20, 2021	Sunday

Lesson Plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher- Ms. Divya Vij

Subject- Computers

Paper-I Programming in C

Class- B.Sc. I & B.A. I Computer Science (2nd Semester)

3rd Week June 21-23, 2021	Structure and Union.
June 27, 2021	Sunday
4 th Week June 28-30, 2021	-Revision of Syllabus and Class Tests

Lesson Plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher- Ms. Divya Vij

Subject- Computers

Paper-II Logical Organization of Computers

Class- B.Sc. I & B.A. I Computer Science (2nd Semester)

April, 2021 3 rd Week April 22-24, 2021	Information Representation: Number Systems
April 21, 2021 April 25, 2021	Ram Navami Sunday (Mahavir Jayanti)
4 th Week April 29 -30, May 01, 2021	Binary Arithmetic, Fixed-point and Floating-point representation of numbers.
02 May, 2021	Sunday
May, 2021 1 st Week May 06-08, 2021	BCD Codes, Error detecting and correcting codes, Character Representation – ASCII, EBCDIC.
09 May, 2021	Sunday
2 nd Week May 13, 15 2021	Binary Logic: Boolean Algebra, Boolean Theorems.
14 May, 2021 16 May, 2021	Id-Ul-Fitr Sunday
3 rd Week May 20-22, 2021	Boolean Functions and Truth Tables, Canonical and Standard forms of Boolean functions
23 May, 2021	Sunday
4 th Week May 27-29, 2021	Simplification of Boolean Functions–Venn Diagram, Karnaugh Maps, Digital Logic: Basic Gates – AND, OR, NOT, Universal Gates – NAND, NOR, Other Gates – XOR, XNOR etc.
30 May, 2021	Sunday
June, 2021 1 st Week June 03-05, 2021	Combinational Circuits: Half-Adder, Full-Adder, Half- Subtractor, Full-Subtractor, Encoders, Decoders, Multiplexers, Demultiplexers, Comparators, Code Converters.
06 June, 2021	Sunday
June, 2021 2 nd Week June 10-12, 2021	Sequential Logic: Characteristics, Flip-Flops, Clocked RS, D type, JK, T type and Master- Slave flip-flops
13 June, 2021	Sunday
3 rd Week June 17-19, 2021	State table, state diagram. Flip-flop excitation tables. Shift registers : serial in parallel out and parallel in parallel out.. Designing counters – Asynchronous and Synchronous Binary Counters, Modulo-N Counters and Up-Down Counters.
June 20, 2021	Sunday

Lesson Plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher- Ms. Divya Vij

Subject- Computers

Paper-II Logical Organization of Computers

Class- B.Sc. I & B.A. I Computer Science (2nd Semester)

3rd Week June 24-26, 2021	-Revision of Syllabus and Class Tests
June 27, 2021	Sunday

Lesson plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Mamta Atreja

Subject- Computers

Paper: Paper-I Web DESIGNING Using Advanced Tools

Class: B.Sc II CA

April, 2021 3 rd Week 19 -20 April	Introduction to DHTML and its features; Events; Cascading Style Sheets
21 April, 2021 25 April,2021	Ram Navami Sunday (MahavirJayanti)
4 th Week 26 -28 April, 01 May 2021	Creating Style Sheets; Common Tasks with CSS: Text, Fonts, Margins, Links, Tables, Colors; Marquee; Mouseovers; Filters and Transitions; Adding Links; Adding Tables; Adding Forms; Adding Image and Sound;;
02 May, 2021	Sunday
May, 2021 1 st Week 03 May-05 May	Extensible Mark-up Language(XML): Introduction; Features; XML Support and Usage; Structure of XML Documents; Structures in XML;Creating Document Type Declarations;
09 May, 2021	Sunday
2 nd Week 10 May-12 May,	Flow Objects; Working with Text andFont; Color and Background properties
14 May, 2021 16 May, 2021	Id-Ul-Fitr Sunday
3 rd Week 17 May-19 May	Java Script Introduction, Variables in Java Script, Control Statements,
23 May, 2021	Sunday
4 th Week 24 May-26 May	Operators in Java Script, Pop-ups
30 May, 2021	Sunday
June, 2021 1 st Week 31 May,01-02 June	Functions in Java Script, Forms
06 June, 2021	Sunday

Lesson plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Mamta Atreja

Subject- Computers

Paper -I Web DESIGNING Using Advanced Tools

Class: B.Sc II CA

June, 2021 2 nd Week 07 June-09 June	Events and Event Handling,
13 June, 2021	Sunday
3 rd Week 14 June-16 June	Exception Handling,
20 June, 2021	Sunday
3 rd Week 21 June-23 June	Introduction to Java Script Objects, Java Script Build-in objects, Java Server Pages
27 June, 2021	Sunday
4 th Week 28 June-30 June	Revision of Syllabus and Class Tests

Lesson plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Mamta Atreja

Subject- Computers

Paper: Paper-II PROGRAMMING IN VISUAL BASIC

Class: B.Sc II CA

April, 2021 3 rd Week 22 -24April	Introduction to VB: Visual & non-visual programming, Procedural, Objectoriented and event-driven programming languages,
21 April, 2021 25 April,2021	Ram Navami Sunday (MahavirJayanti)
4 th Week 29 -30 April, 01 May	The VB environment: Menu bar, Toolbar, Project explorer, Toolbox, Properties window, Form designer, Form layout, Immediate window. Visual Development and Event Driven programming.
02 May, 2021	Sunday
May, 2021 1 st Week 06 May-08 May	Basics of Programming: Variables: Declaring variables, Types of variables, Converting variables types, User-defined data types, Forcing variable declaration, Scope & lifetime of variables. Constants: Named & intrinsic.
09 May, 2021	Sunday
2 nd Week 13 May,15May	Operators: Arithmetic, Relational & Logical operators. I/O in VB: Various controls for I/O in VB, Message box, Input Box, Print statement
14 May, 2021 16 May, 2021	Id-Ul-Fitr Sunday
3 rd Week 20 May-22May	Programming with VB: Decisions and conditions: If statement, If-then-else, Select-case. Looping statements: Do-loops, For-next, While-wend, Exit statement. Nested control structures
23 May, 2021	Sunday
4 th Week 27 May-29 May	Arrays: Declaring and using arrays, one-dimensional and multi-dimensional arrays, Static & dynamic arrays, Arrays of array
30 May, 2021	Sunday

Lesson plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Mamta Atreja

Subject- Computers

Paper: II PROGRAMMING IN VISUAL BASIC

Class: B.Sc II CA

June, 2021 1 st Week 03 -04 June	Collections: Adding, Removing, Counting, Returning items in a collection, Processing a collection Programming with VB: Procedures: General & event procedures, Subroutines
06 June, 2021	Sunday
June, 2021 2 nd Week 10-12 June	Functions, Calling procedures, Arguments- passing mechanisms
13 June, 2021	Sunday
3 rd Week 17June-19June	Optional arguments, Named arguments
20 June, 2021	Sunday
3 rd Week 25 June-26 June	Functions returning custom data types, Functions returning arrays, Simple programs in VB.
27 June, 2021	Sunday
4 th Week 28 June-30 June	Revision of Syllabus and Class Tests

Lesson plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Mamta Atreja

Subject- Computers

Paper: BC (Voc)-405 PROGRAMMING IN JAVA

Class: B.Com II CA

April, 2021 3 rd Week 19 -20 April	Introduction to Java- features of Java- object oriented concepts- data types – variables- arraysoperators;
21 April, 2021 25 April,2021	Ram Navami Sunday (MahavirJayanti)
4 th Week 26 -28 April	Control statements- input and output- scanner and system - class print(), printIn(), printf() methods Class- objects-
02 May, 2021	Sunday
May, 2021 1 st Week 03 May-05 May	constructors- overloading method- access control- static and fixed methodsinner classes- string class .
09 May, 2021	Sunday
2 nd Week 10 May-12 May	Inheritance ,GUI components- common GUI event types and listener interfaces
14 May, 2021 16 May, 2021	Id-UI-Fitr Sunday
3 rd Week 17 May-19 May	Joptionpane – Jlabel – JtextField – Jbutton – JcheckBox - JTextarea – JcomboBox – Jlist – Jpanel -
23 May, 2021	Sunday
4 th Week 24 May,26 May	Mouse Event Handling – Adapter Classes
30 May, 2021	Sunday

Lesson plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Mamta Atreja

Subject- Computers

Paper: BC (Voc)-405 PROGRAMMING IN JAVA

Class: B.Com II CA

June, 2021 1 st Week 31 May,01-02 June	Key Event Handling. Layout Managers – Flow layout, BorderLayout, GridLayout
06 June, 2021	Sunday
June, 2021 2 nd Week 07 June-09 June	Graphics and Java 2D - Graphics contexts and Graphics objects - Color control - Font Control
13 June, 2021	Sunday
3 rd Week 14 June-16 June	Sessional
13 Dec, 2020	Sunday
3 rd Week 21 June-23 June	Drawing Lines, Rectangles and ovals – Jslider Using menus with frames
27 June, 2021	Sunday
4 th Week 28 June-30 June	Revision of Syllabus and Class Tests

Lesson plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Mamta Atreja

Subject- Computers

Paper: BC (Voc)-406 ADVANCED COMPUTER APPLICATIONS

Class: B.Com II CA

April, 2021 3 rd Week 22-24 April	Networking: fundamentals, LAN/MAN/WAN, topologies, transmission media, ISDN, B-ISDN, protocols- TCP/IP, OSI, ATM, internet services
21 April, 2021 25 April,2021	Ram Navami Sunday (MahavirJayanti)
4 th Week 29 -30 April,01 May 2021	Hardware and Software requirements for internet; browsers- internet explorer, mozilla firefox, opera, google chrome; search engines; webpage
02 May, 2021	Sunday
May, 2021 1 st Week 06 May-08 May	Information technology application in business, E-business, net banking
09 May, 2021	Sunday
2 nd Week 13 ,15 May 2021	Online purchasing and selling; online banking, electronic payment system
14 May, 2021 16 May, 2021	Id-UI-Fitr Sunday
3 rd Week 20 May-22May	E-governance- concept and examples. digitalization of services – income tax, digital lockers, etc E-disha, etc.,
23 May, 2021	Sunday
4 th Week 27May-29 May	linking AADHAR to service
30 May, 2021	Sunday

Lesson plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Mamta Atreja

Subject- Computers

Paper: BC (Voc)-406 ADVANCED COMPUTER APPLICATIONS

Class: B.Com II CA

June, 2021 1 st Week 03,05 June	Cyber Laws – IT Act 2000
06 June, 2021	Sunday
June, 2021 2 nd Week 10 June-12 June	Impact of IT on other laws concerning business
13 June, 2021	Sunday
3 rd Week 18 June-19 June	Issues and impact-Social and ethical aspects of IT
20 June,2021	Sunday
3 rd Week 25 June-26 June	cyber security – threats, anti-virus software, firewalls, etc.
27 June, 2021	Sunday
4 th Week 28 June-30 June	Revision of Syllabus and Class Tests

Lesson plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Mamta Atreja

Subject- Computers

Paper: MC 401 IT and E-COMMERCE

Class: M.Com II (IV Semester)

April, 2021 3 rd Week 19 April,22- 24April	Introduction to E-commerce: Meaning of electronic commerce, business applications of e-commerce, comparison with traditional commerce , Business models in E-commerce – e-shops, e-procurement
21 April, 2021 25 April,2021	Ram Navami Sunday (MahavirJayanti)
4 th Week 26 -30 April,01 May	E-auctions, value chain integrators, information brokerage, telecommunication, collaboration platforms, etc.; Electronic payment system;
02 May, 2021	Sunday
May, 2021 1 st Week 03 May-08 May	E-Banking – concept, operations. Online fund transfer – RTGC, ATM, etc., Online share market operations. Online marketing,
09 May, 2021	Sunday
2 nd Week 10 May-13May, 15May	Web-based advertising – concept, advantages; Types of online advertisements; Search engine – as an advertising media, search engine optimisation – concept and techniques
14 May, 2021 16 May, 2021	Id-UI-Fitr Sunday
3 rd Week 17 May-22 May	Email marketing; Social Networking and marketing – promotion, opinion formulation, etc.; Viral Marketing, E-retailing-concept, advantages, limitations;

Lesson plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Mamta Atreja

Subject- Computers

Paper: MC 401 IT and E-COMMERCE

Class: M.Com II (IV Semester)

23 May, 2021	Sunday
4 th Week 24 May-29May	CRM and Information Technology, Tools to conducting online research – secondary research, online focus groups,
30 May, 2021	Sunday
June, 2021 1 st Week 31 May-04 June	Web based surveys, data mining from social networking sites
06 June, 2021	Sunday
June, 2021 2 nd Week 07 June-11 June	Cloud computing – Concept, uses in business; Enterprise Resource Planning
13 June, 2021	Sunday
3 rd Week 14 June-16 June,18 June	Security issues in e-commerce - Online frauds, Privacy issues
20June, 2021	Sunday
3 rd Week 21 June-23 June,25-26 June	Cyber laws including Information Technology Act.
27 June, 2021	Sunday
4 th Week 28 June-30 June	Revision of Syllabus and Class Tests

Lesson plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Mamta Atreja

Subject-Computers

Paper: Computer Awareness (Level-01)

Class: B.Sc I (Medical,NM,Biotech)

May 2021 2 nd Week 10 May-12 May	Operating System - Definition & Functions of Operating System, Basics of Popular Operating Systems; The User Interface, Exploring Computer, Icons, taskbar, desktop, Using Menu and Menu-selection, managing files and folders,
14 May, 2021 16 May, 2021	Id-UI-Fitr Sunday
3 rd Week 17 May-19 May	Control panel – display properties, add/remove software and hardware, Running an Application, Using help; Creating Short cuts, Basics of O.S Setup; Common utilities.
23 May, 2021	Sunday
4 th Week 24 May-26 May	Word Processing: Introduction to Word Processing, Menus, Creating, Editing & Formatting Document, Spell Checking, Printing, Views, Tables, Word Art, Mail Merge, Macros.
30 May, 2021	Sunday
June, 2021 1 st Week 31 May-02 June	Spread Sheet: Elements of Electronics Spread Sheet, Applications, Creating and Opening of Spread Sheet, Menus, Manipulation of cells: Enter texts numbers and dates, Cell Height and Widths, Copying of cells, Mathematical, Statistical and Financial function, Drawing different types of charts.
06 June, 2021	Sunday
June, 2021 2 nd Week 07 June-09 June	Presentation Software: Creating, modifying and enhancing a presentation, Delivering a presentation, Using sound, animation and design templates in presentation
13 June, 2021	Sunday
3 rd Week 14 June-16 June	Computer Communication: Internet and its applications, Connecting to internet, Surfing the Internet using web browsers, Web Browsing softwares, Search Engines, Understanding URL, Domain name, IP Address,
20 June 2021	Sunday
3 rd Week 21 June-23 June	Creating Email Id, Viewing an E-Mail, Sending an E-Mail to a single and multiple users, Sending a file as an attachment.
27 June, 2021	Sunday
4 th Week 28 June-30 June	Revision of Syllabus and Class Tests

Lesson plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Mamta Atreja

Subject-Computers

Paper: Computer Awareness (Level-01)

Class: B.A.I (Group-3)

May 2021 2 nd Week 13 May-15May	Operating System - Definition & Functions of Operating System, Basics of Popular Operating Systems; The User Interface, Exploring Computer, Icons, taskbar, desktop, Using Menu and Menu-selection, managing files and folders,
14 May, 2021 16 May, 2021	Id-Ul-Fitr Sunday
3 rd Week 20 May-22May	Control panel – display properties, add/remove software and hardware, Running an Application, Using help; Creating Short cuts, Basics of O.S Setup; Common utilities.
23 May, 2021	Sunday
4 th Week 27 May-29 May	Word Processing: Introduction to Word Processing, Menus, Creating, Editing & Formatting Document, Spell Checking, Printing, Views, Tables, Word Art, Mail Merge, Macros.
30 May, 2021	Sunday
June, 2021 1 st Week 31 June-05 June	Spread Sheet: Elements of Electronics Spread Sheet, Applications, Creating and Opening of Spread Sheet, Menus, Manipulation of cells: Enter texts numbers and dates, Cell Height and Widths, Copying of cells, Mathematical, Statistical and Financial function, Drawing different types of charts.
06 June, 2021	Sunday
June, 2021 2 nd Week 10 June-12 June	Presentation Software: Creating, modifying and enhancing a presentation, Delivering a presentation, Using sound, animation and design templates in presentation
13 June, 2021	Sunday
3 rd Week 17 June-19 June	Computer Communication: Internet and its applications, Connecting to internet, Surfing the Internet using web browsers, Web Browsing softwares, Search Engines, Understanding URL, Domain name, IP Address,
20 June, 2021	Sunday
3 rd Week 25 June-26 June	Creating Email Id, Viewing an E-Mail, Sending an E-Mail to a single and multiple users, Sending a file as an attachment.
27 June, 2021	Sunday
4 th Week 28 June-30 June	Revision of Syllabus and Class Tests

Lesson plan for Even semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Prashantika P Sanduja

Subject- Computer Science

Paper- I (Relational Database Management Systems)

Class- B.Sc. III & B.A. III Computer Science

April 2021	
4th Week	
Date:- April 23, 24, 2021	Relational Model Concepts, Codd's Rules for Relational Model, Hierarchical Data Model–Introduction, Features, Components, Example, Network Data Model– Introduction, Features, Components, Example, Differences between Hierarchical Data Model and Network Data Model
April 21, 2021	Ram Navami
April 25, 2021	Sunday
5th Week	
Date:- April 29, 30, 2021	Comparison of Relational Data Model with Hierarchical Data Model and Network Data Model, Relational Algebra:-Selection and Projection, Set Operation, Join and Division, Relational Calculus: Tuple Relational Calculus and Domain Relational Calculus
May 2021	
1st Week	
May 02, 2021	Sunday
2nd Week	
Date:- May 06,07,08, 2021	Functional Dependencies and Normalization -- Purpose, Data Redundancy, Update Anomalies, Partial/Fully Functional Dependencies, Transitive Functional Dependencies, Characteristics of Functional Dependencies, Decomposition and Normal Forms (1NF, 2NF, 3NF & BCNF)
May 09, 2021	Sunday
3rd Week	
Date:- 13, 15, 2021	SQL: Data Definition and data types, Create Table, Insert Data, Viewing Data, Filtering Table Data
May 14, 2021	Id-UI-Fitr
May 16, 2021	Sunday
4th Week	
Date:- May 20,21,22, 2021	Sorting data, Creating Table from a Table, Destroy table, Update, View, Delete, Join
May 23, 2021	Sunday
5th Week	
May 27, 28, 29, 2021	Concatenating data from Table Specifying Constraints in SQL; Primary Key, Foreign Key, Unique Key

Lesson plan for Even semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Prashantika P Sanduja

Subject- Computer Science

Paper- I (Relational Database Management Systems)

Class- B.Sc. III & B.A. III Computer Science

May 30, 2021	Sunday
June 2021	
1st Week	
Date:- June 03, 2021	Check Constraint, Using Functions, PL/SQL-Introduction, Advantages of PL/SQL, The Generic PL/SQL Block: PL/SQL Execution Environment
June 06, 2021	Sunday
2nd Week	
June 10, 11, 2021	Types, Declaration and Assignment of Variables Control Structure in
June 13, 2021	Sunday
3rd Week	
June 17, 18, 2021	PL/SQL: Conditional Control, Iterative Control, Sequential Control
June 20, 2021	Sunday
4th Week	
June 24, 2021	Test of Whole Syllabus

Lesson plan for Even semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Prashantika P Sanduja

Subject- Computer Science

Paper- II (Computer Networks)

Class- B.Sc. III & B.A. III Computer Science

April 2021	
3rd Week	
April 21, 2021	Ram Navami
April 25, 2021	Sunday
4th Week	
Date:- April 28, 2021	Introduction to Data Communication and Computer Networks; Uses of Computer Networks, Types of Computer Networks and their Topologies; Network Hardware Components, Connectors
May 2021	
1st Week	
May 02, 2021	Sunday
2nd Week	
Date:- May 03,04,05, 2021	Transceivers, Repeaters, Hubs, Network Interface Cards and PC Cards, Bridges, Switches, Routers, Gateways; Network Software: Network Design issues and Protocols, Connection-Oriented and Connectionless Services; OSI Reference Model; TCP/IP Model
May 09, 2021	Sunday
3rd Week	
Date:- 10,11,12, 2021	Analog and Digital Communications Concepts: Analog and Digital data and signals; Bandwidth and Data Rate, Capacity, Baud Rate, Guided and Wireless Transmission Media, Communication Satellites
May 14, 2021	Id-Ul-Fitr
May 16, 2021	Sunday
4th Week	
Date:- 17, 18, 19, 2021	Switching and Multiplexing, Modems and Modulation Techniques, Data Link Layer Design issues; Error Detection and Correction methods; Sliding Window Protocols: One-bit, Go Back N and Selective Repeat; Media Access Control: ALOHA, Slotted ALOHA

Lesson plan for Even Semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Prashantika P Sanduja

Subject- Computer Science

Paper- I (Computer Networks)

Class- B.Sc. III & B.A. III Computer Science

May 23, 2021	Sunday
5th Week	
Date:- May 24, 25, 26, 2021	CSMA, Collision free protocols; Introduction to LAN technologies: Ethernet, Switched Ethernet, Fast Ethernet, Gigabit Ethernet; Token Ring; Introduction to Wireless LANs and Bluetooth
May 30, 2021	Sunday
June 2021	
1st Week	
Date:- May 31 – June 01,02, 2021	Routing Algorithms: Flooding, Shortest Path Routing, Distance Vector Routing; Link State Routing, Hierarchical Routing
June 06, 2021	Sunday
2nd Week	
June 08, 09, 2021	Congestion Control; Traffic Shaping Choke packets; Load Shedding, Application Layer: Introduction to DNS
June 13, 2021	Sunday
3rd Week	
June 14, 15, 16, 2021	E-Mail and WWW services, Network Security Issues: Security attacks
June 20, 2021	Sunday
4th Week	
June 21, 23, 2021	Encryption methods; Firewalls; Digital Signatures
June 27, 2021	Sunday
5th Week	
June 28, 29, 30, 2021	Test of the whole syllabus

Lesson plan for Even semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Prashantika P Sanduja

Subject- Computer Science

BCA- 122 (Logical Organization of Computers - II)

Class- BCA I

April 2021	
4th Week	
Date:- April 23, 24, 2021	Sequential Logic: Characteristics, Flip-Flops, Clocked RS, JK, D - Type, T - Type
April 21, 2021	Ram Navami
April 25, 2021	Sunday
5th Week	
Date:- April 28,29,30, 2021	Master- Slave flip-flops. State table, state diagram. Flip-flop excitation tables
May 2021	
2nd Week	
Date:- May 03-08, 2021	Sequential Circuits: Designing registers – Serial Input Serial Output (SISO)
May 09, 2021	Sunday
3rd Week	
Date:- 10-13, 15, 2021	Serial Input Parallel Output (SIPO), Parallel Input Serial Output (PISO), Parallel Input Parallel Output (PIPO)
May 14, 2021	Id-Ul-Fitr
May 16, 2021	Sunday
4th Week	
Date:- 17-22, 2021	Shift registers. Designing counters – Asynchronous and Synchronous Binary Counters
May 23, 2021	Sunday
5th Week	
Date:- May 24-29, 2021	Modulo-N Counters and Up-Down Counters, Instruction Design & I/O Organization: Machine instruction, Instruction set selection Revision of Unit II
May 26, 2021	Budha Purnima
May 30, 2021	Sunday
June 2021	
1st Week	
Date:- May 31 – June 03, 2021	Instruction cycle, Instruction Format and Addressing Modes, I/O Interface, Interrupt structure, Program-controlled, Interrupt-controlled & DMA transfer
June 06, 2021	Sunday
2nd Week	
June 07-10, 12, 2021	I/O Channels, IOP, Memory & I/O Devices: Memory Parameters, Semiconductor RAM, ROM
June 13, 2021	Sunday

Lesson plan for Even semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Prashantika P Sanduja

Subject- Computer Science

BCA- 122 (Logical Organization of Computers - II)

Class- BCA I

3rd Week	
June 14-16, 18, 2021	Magnetic and Optical Storage devices, Flash Memory, I/O Devices and their controllers
June 20, 2021	Sunday
4th Week	
June 21-24, 2021	Revision of Unit III & IV
June 27, 2021	Sunday
5th Week	
June 29, 30, 2021	Revision of the Previous Topics

Lesson plan for Even semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Prashantika P Sanduja

Subject- Computer Science

BCA- 244 (Relational Database Management Systems)

Class- BCA II

April 2021	
4th Week	
Date:- April 23, 24, 2021	Relational Model Concepts, Codd's Rules for Relational Model
April 21, 2021	Ram Navami
April 25, 2021	Sunday
5th Week	
Date:- April 28,29, 2021	Relational Algebra:-Selection and Projection, Set Operation, Join and Division, Set Operation
May 2021	
1st Week	
May 01, 2021	Renaming, Relational Calculus: Tuple Relational Calculus and Domain Relational Calculus
May 02, 2021	Sunday
2nd Week	
Date:- May 03-08, 2021	Functional Dependencies and Normalization:-Purpose, Data Redundancy and Update Anomalies, Full Functional Dependencies and Transitive Functional Dependencies, Characteristics of Functional Dependencies, Decomposition and Normal Forms (1NF, 2NF, 3NF & BCNF)
May 09, 2021	Sunday
3rd Week	
Date:- 10-13, 15, 2021	SQL: Data Definition and data types, SQL Operators, Specifying Constraints in SQL, Basic DDL, DML and DCL commands in SQL
May 14, 2021	Eid-ul-Fitar
May 16, 2021	Sunday
4th Week	
Date:- 17-22, 2021	Revision of Unit II & III
May 23, 2021	Sunday
5th Week	
Date:- May 24-29, 2021	Simple Queries, Nested Queries, Tables, Views, Indexes, Aggregate Functions, Clauses
May 26, 2021	Buddha Purnima
May 30, 2021	Sunday

Lesson plan for Even semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Prashantika P Sanduja

Subject- Computer Science

BCA- 244 (Relational Database Management Systems)

Class- BCA II

June 2021	
1st Week	
Date:- May 31 – June 03, 2021	PL/SQL architecture, PL/SQL and SQL Plus, PL/SQL Basics
June 06, 2021	Sunday
2nd Week	
June 07-10, 12, 2021	Advantages of PL/SQL, The Generic PL/SQL Block: PL/SQL Execution Environment
June 13, 2021	Sunday
3rd Week	
June 14-18, 2021	PL/SQL Character set and Data Types, Control Structure in PL/SQL, Cursors in PL/SQL, Triggers in PL/SQL
June 20, 2021	Sunday
4th Week	
June 21-24, 2021	Programming using PL/SQL
June 27, 2021	Sunday
5th Week	
June 29, 30, 2021	Revision

Lesson plan for Even semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Prashantika P Sanduja

Subject- Computer Science

MS-15-44 (IV) (Security in Computing)

Class- M.Sc. II CS

April 2021	
4th Week	
Date:- April 23, 24, 2021	Computer Security Concepts, Threats, Attacks and Assets
April 21, 2021	Ram Navami
April 25, 2021	Sunday
5th Week	
Date:- April 28,29, 2021	Security Functional Requirements, Security Architecture and Scope of Computer Security, Computer Security Trends, Computer Security Strategies
May 2021	
1st Week	
May 01, 2021	Program Security: Secure Program, Non-malicious Program Error,
May 02, 2021	Sunday
2nd Week	
Date:- May 03-08, 2021	Viruses and other Malicious Code, Targeted Malicious Code, Control against Program Threats, Database Security: Database Management System, Relational Databases, Database Access Control, Inference, Security Requirements
May 09, 2021	Sunday
May 14, 2021	Id-UI-Fitr
3rd Week	
Date:- 10-13, 15, 2021	Reliability and Integrity, Sensitive Data, Database Encryption, Network Security: Threats in Network, Network Security Controls, Firewall- Need for firewall, Characteristics, Types of firewall, Firewall Basing, Intrusion Detection System- Types, Goals of IDS, IDS strengths and Limitations,
May 14, 2021	Eid-ul-Fitar
May 16, 2021	Sunday
4th Week	
Date:- 17-22, 2021	Internet Security Protocols and Standards: Secure Socket Layer (SSL) and Transport Layer Security (TLS), IPv4 and IPv6 Security, Kerberos 672, X.509 678, Public Key Infrastructure, Linux Security Model, File System Security
May 23, 2021	Sunday
5th Week	
Date:- May 24-29, 2021	Linux Vulnerability, Linux System Hardening, Application Security, Window Security Architecture, Windows Vulnerability, Windows Security Defense, Browser Defenses

Lesson plan for Even semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Prashantika P Sanduja

Subject- Computer Science

MS-15-44 (IV) (Security in Computing)

Class- M.Sc. II CS

May 26, 2021	Buddha Purnima
May 30, 2021	Sunday
June 2021	
1st Week	
Date:- May 31 – June 03, 2021	Physical Security Threats, Physical Security Prevention and Mitigation Measures
June 06, 2021	Sunday
2nd Week	
June 07-10, 12, 2021	Recovery form Physical, Security Breaches, Security Auditing Architecture, Security Audit Trail, Security Risk assessment
June 13, 2021	Sunday
3rd Week	
June 14-18, 2021	Security Controls or Safeguard, IT Security Plan
June 20, 2021	Sunday
4th Week	
June 21-24, 2021	Cybercrime and Computer Crime, Intellectual Property, Privacy, Ethical Issues
June 27, 2021	Sunday
5th Week	
June 29, 30, 2021	Revision of the Previous Topics

Lesson Plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher-**Tarjeet Kaur**

Subject- **Computers**

Paper- **BCA-361: Web Designing Using Advanced Tools**

Class- **BCA VI Sem**

April, 2021 3 rd Week April 19-20, 22-24, 2021	Interactivity Tool - JavaScript: Introduction, Features, Data types, Operators, Statements, Functions, Event Handling, Use of Predefined Object and Methods, Frames, Windows,
April 21, 2021 April 25, 2021	Ram Navami Sunday (Mahavir Jayanti)
4 th Week April 26 -30, May 01, 2021	Tables, Images, Links Interactivity Tool, VBScript: Introduction, Features, Variables, Data Types, Numeric and Literal Constants, Arrays, Operators, Subroutine Procedures, Function Procedures
02 May, 2021	Sunday
May, 2021 1 st Week May 03-08, 2021	. Control Statements, Strings, Message and Input Boxes, Date and Time, Event Handlers, Embedding VBScript in HTML
09 May, 2021	Sunday
2 nd Week May 10-13, 15 2021	Interactivity Tool - Active Script Pages – Introduction, Features, Client-Server Model, Data Types, Decision Making Statements, Control statements,
14 May, 2021 16 May, 2021	Id-Ul-Fitr Sunday
3 rd Week May 17-22, 2021	Use of Various Objects of ASP, Various Techniques of Connecting to Database Other Interactivity Tools - Macromedia Flash, Macromedia Dreamweaver, PHP: Basic Introduction and Features
23 May, 2021	Sunday
4 th Week May 24-29, 2021	DHTML: Introduction, Features, Events, Dynamic Positioning, Layer Object, Properties of STYLE, Dynamic Styles, Inline Styles, Event Handlers; Cascading Style Sheets (CSS): Basic Concepts, Properties.
30 May, 2021	Sunday
June, 2021 1 st Week May 31-June 05, 2021	Creating Style Sheets; Common Tasks with CSS: Text, Fonts, Margins, Links, Tables, Colors, Marquee; Mouseovers, Filters and Transitions; Adding Links; Adding Tables; Adding Forms
06 June, 2021	Sunday
June, 2021 2 nd Week June 07-12, 2021	Adding Image and Sound; Use of CSS in HTML Documents Linking and Embedding of CSS in HTML Document
13 June, 2021	Sunday
3 rd Week June 14-19, 2021	Microsoft FrontPage: Introduction, Features, Title Bar, Menu bar, FrontPage Tool Bar, Style, Font Face and Formatting Bar, Scroll Bars

Name of the Teacher-TarjeetKaur

Subject- Computers

Paper- BCA-361: Web Designing Using Advanced Tools

Class- BCA VI Sem

June 20, 2021	Sunday
3rd Week June 21-26, 2021	XML: Introduction, Features, XML Support and Usage, Structure of XML Documents, Structures in XML,
June 27, 2021	Sunday
4 th Week June 28-30, 2021	Creating Document Type Declarations, Flow Objects, Working with Text and Font, Color and Background Properties;

Lesson Plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher- Ms. Tarjeet Kaur

Subject- Computers

Paper- BC 204 E-Commerce

Class- B.Com II Sem (General)

April, 2021 3 rd Week April 19-20, 22-24, 2021	Introduction to internet: concept, application and uses of Internet, Internet services.
April 21, 2021 April 25, 2021	Ram Navami Sunday (Mahavir Jayanti)
4 th Week April 26 -30, May 01, 2021	Concepts of data, information and information system
02 May, 2021	Sunday
May, 2021 1 st Week May 03-08, 2021	Effects of IT on business.
09 May, 2021	Sunday
2 nd Week May 10-13, 15 2021	Types of information system: Transaction Processing System (TPS), Management Information System (MIS).
14 May, 2021 16 May, 2021	Id-Ul-Fitr Sunday
3 rd Week May 17-22, 2021	Introduction to E-commerce, e-commerce application, services
23 May, 2021	Sunday
4 th Week May 24-29, 2021	E-Commerce models: B2B, B2C, C2C
30 May, 2021	Sunday
June, 2021 1 st Week May 31-June 05, 2021	electronic data interchange: benefits,
06 June, 2021	Sunday
June, 2021 2 nd Week June 07-12, 2021	Revision and Test
13 June, 2021	Sunday
3 rd Week June 14-19, 2021	components of EDI, EDI implementation
June 20, 2021	Sunday
3 rd Week June 21-26, 2021	Security issues in e-commerce. M-commerce and e-governance: an overview.
June 27, 2021	Sunday
4 th Week June 28-30, 2021	Revision of Syllabus and Class Tests

Lesson Plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher- Ms. Tarjeet Kaur

Subject- Computers

PaperMS-15-42 COMPUTER GRAPHICS

Class- M.Sc. II Computer Science (4th Semester)

April, 2021 3 rd Week April 19-20, 22-24, 2021	Introduction to Computer Graphics and its applications, Components and working of Interactive Graphics; Display Devices: CRT; Random Scan, Raster Scan, Refresh Rate and Interlacing, Bit Planes, Color Depth, Color Palette, Color CRT Monitor, DVST.
April 21, 2021 April 25, 2021	Ram Navami Sunday (Mahavir Jayanti)
4 th Week April 26 -30, May 01, 2021	Display Processors; Resolution, Aspect Ratio, Refresh CRT, interlacing; Color CRT monitors, LookUp tables, Flat-Panel Displays: Plasma Panel, LED, LCD; Lookup Table, Interactive Input Devices, Display Processor, General Purpose Graphics Software, Coordinate Representations.
02 May, 2021	Sunday
May, 2021 1 st Week May 03-08, 2021	Interactive Input and Output Devices: keyboard, mouse, trackball, joystick, light pen, digitizers; image scanners, Touch Panels; Voice systems; printers, plotters; Graphics Software, Coordinate Representations
09 May, 2021	Sunday
2 nd Week May 10-13, 15 2021	Point-Plotting Techniques: Scan Conversion, Scan-Converting a Straight Line: The Symmetrical DDA, The Simple DDA, Bresenham's Line Algorithm; Scan-Converting a Circle: Circle drawing using Polar Coordinates.
14 May, 2021 16 May, 2021	Id-UI-Fitr Sunday
3 rd Week May 17-22, 2021	Bresenham's Circle Algorithm, Scan-Converting an Ellipse: Polynomial Method, Trigonometric Method; Polygon Area Filling: Scan line Fill and Flood Fill Algorithms.
23 May, 2021	Sunday
4 th Week May 24-29, 2021	Two-Dimensional Graphics Transformation: Basic Transformations: Translation, Rotation, Scaling; Matrix Representations and Homogeneous Coordinates; Other Transformations: Reflection, Shearing.
30 May, 2021	Sunday
June, 2021 1 st Week May 31-June 05, 2021	Coordinate Transformations; Composite Transformations; Inverse Transformation; Affine Transformations. Raster Transformation, Graphical Input: Pointing and Positioning Devices and Techniques
06 June, 2021	Sunday
June, 2021 2 nd Week June 07-12, 2021	Two-Dimensional Viewing: Window and Viewport, 2-D Viewing Transformation Clipping: Point Clipping; Line Clipping: Cohen-Sutherland Line Clipping Algorithm.
13 June, 2021	Sunday

Lesson Plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher- Ms. Tarjeet Kaur

Subject- Computers

PaperMS-15-42 COMPUTER GRAPHICS

Class- M.Sc. II Computer Science (4th Semester)

3 rd Week June 14-19, 2021	Mid-Point Subdivision Line Clipping Algorithm; Polygon Clipping: Sutherland-Hodgman Polygon Clipping Algorithm, Liang-Barsky line clipping, Sutherland-Hodgman polygon clipping; Weiler-Atherton polygon Clipping, Pointing and positioning techniques; rubber band technique; dragging.
June 20, 2021	Sunday
3 rd Week June 21-26, 2021	Three-Dimensional Graphics: Three-Dimensional Display Methods; 3-D Transformations: Translation, Rotation, Scaling; Composite Transformations Orthographic and oblique projection; perspective projection; Hidden surface removal: Z-buffer, depth-sorting, area subdivision, BSP-Tree method; Ray casting;
June 27, 2021	Sunday
4 th Week June 28-30, 2021	Shading: Modelling light intensities, Gouraud shading, Phong shading; Introduction to Animation, Tweening, Morphing, Fractals;
July04, 2021	Sunday

Lesson Plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher- Ms. Tarjeet Kaur

Subject- Computers

Paper-I : Object Oriented Programming with C++

Class- B.Sc. II & B.A. II Computer Science (4th Semester)

April, 2021 3 rd Week April 19-20, 2021	Object oriented Programming: Object-Oriented programming features and benefits. Object-Oriented features of C++, Class and Objects
April 21, 2021 April 25, 2021	Ram Navami Sunday (Mahavir Jayanti)
4 th Week April 26-28, 2021	Data Hiding & Encapsulation, Structures, Data members and Member functions
02 May, 2021	Sunday
May, 2021 1 st Week May 03-05, 2021	Scope resolution operator and its significance, Static Data Members, Static member functions, Nested and Local Class, Accessing Members of Class and Structure.
09 May, 2021	Sunday
2 nd Week May 10-12, 2021	Constructor, Initialization using constructor, types of constructor– Default, Parameterized & Copy Constructors
14 May, 2021 16 May, 2021	Id-Ul-Fitr Sunday
3 rd Week May 17-19, 2021	Constructor overloading, Default Values to Parameters, Destructors, Console I/O: Hierarchy of Console Stream Classes, Unformatted and Formatted I/O Operations.
23 May, 2021	Sunday
4 th Week May 24-26, 2021	Manipulators, Friend Function, Friend Class, Arrays, Array of Objects, Passing and Returning Objects to Functions, String Handling in C++,
30 May, 2021	Sunday
June, 2021 1 st Week May 31-June 01-02, 2021	Dynamic Memory Management: Pointers, new and delete Operator, Array of Pointers to Objects,
06 June, 2021	Sunday
June, 2021 2 nd Week June 07-09, 2021	this Pointer, Passing Parameters to Functions by Reference & pointers.
13 June, 2021	Sunday
3 rd Week June 14-16, 2021	Static Polymorphism: Operators in C++, Precedence and Associativity Rules,
June 20, 2021	Sunday
3 rd Week June 21-23, 2021	Operator Overloading, Unary & Binary Operators Overloading, Function Overloading
June 27, 2021	Sunday
4 th Week June 28-30, 2021	Inline Functions, Merits/Demerits of Static Polymorphism.

Lesson Plan for the Even Semester (April, 2021 to June, 2021)

Name of the Teacher- Ms. Tarjeet Kaur

Subject- Computers

Paper-II : Operating System

Class- B.Sc. II & B.A. II Computer Science (4th Semester)

April, 2021 3 rd Week April 22-24, 2021	Introduction: operating system, architecture, functions, characteristics, historical evolution
April 21, 2021 April 25, 2021	Ram Navami Sunday (MahavirJayanti)
4 th Week April 29 -30, May 01, 2021	Types: Serial batch, multiprogramming, time sharing, real time, distributed and parallel, OS as resource Manager. Computer system structures: I/O structure, storage structure, storage hierarchy.
02 May, 2021	Sunday
May, 2021 1 st Week May 06-08, 2021	Operating system structure: system components, services, system calls, system programs, system structures.
09 May, 2021	Sunday
2 nd Week May13, 15 2021	Process management: process concepts, process state, process control block, operations, process scheduling, inter process communication.
14 May, 2021 16 May, 2021	Id-UI-Fitr Sunday
3 rd Week May 20-22, 2021	CPU Scheduling: scheduling criteria, levels of scheduling, scheduling algorithms, multiple processor scheduling. Deadlocks: Characterization, methods of handling, deadlock detection, prevention, avoidance, recovery.
23 May, 2021	Sunday
4 th Week May 27-29, 2021	Storage Management: memory management of single-user and multiuser operating system, partitioning, swapping, paging and segmentation
30 May, 2021	Sunday
June, 2021 1 st Week June 03-05, 2021	Virtual memory, Page replacement Algorithms, Thrashing. Process synchronization: critical section problems, semaphores. Mutual exclusion
06 June, 2021	Sunday
June, 2021 2 nd Week June 10-12, 2021	Device and file management: Disk scheduling, Disk structure, Disk management,
13 June, 2021	Sunday
3 rd Week June 17-19, 2021	File Systems: Functions of the system
June 20, 2021	Sunday
3 rd Week June 24-26, 2021	File access and allocation methods, Directory Systems: Structured Organizations, directory and file protection mechanisms
June 27, 2021	Sunday

Lesson plan for the Even semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Ravneet Kaur

Subject- Computer

Paper- MS-15-41 (Advance Web Technology)

Class- M. Sc. IV Sem. (Computer Sc.)

April, 2021 3 rd Week 19 -24 April	Introduction: Web Browsers, Caching -Downloading and Rendering, Persistent Connections - DNS caching and prefetching - Buffering, Weblog - CSS Expressions and performance
21 April, 2021 25 April,2021	Ram Navami Sunday (MahavirJayanti)
4 th Week 26 -28 April	Optimization - Parallel Downloading, Controlling caches -Content compression, Control size with minification -Optimizing images, Load balancers
02 May, 2021	Sunday
May, 2021 1 st Week 03 May-08 May	- Marketing of Website: traffic generation, Newsletters; -Tuning MYSQL, Using query caching, Optimizing query execution and optimization Security: SQL: query log, SQL injections. - Searching techniques used by search engines, keywords, advertisements.
09 May, 2021	Sunday
2 nd Week 10 May-13 May	- Search engine optimization for individual web pages, Search engine optimization for entire website - Pitfalls in Optimization -Tools for Optimization
14 May, 2021 16 May, 2021	Id-UI-Fitr Sunday
3 rd Week 17 May-22 May	-Revision, Doubt Clearing And Test
23 May, 2021	Sunday
4 th Week 24 May-29 May	- Introduction to JavaScript , Obtaining user inputs, memory concepts - Operators, Control Structures, Looping constructs, Array and Objects
30 May, 2021	Sunday

Lesson plan for the Even semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Ravneet Kaur

Subject- Computer

Paper- MS-15-41 (Advance Web Technology)

Class- M. Sc. IV Sem. (Computer Sc.)

June, 2021	
1 st Week 31 May-05 June	- Programmer defined functions, Objects -cookies, Handling Events Using JavaScript.
06 June, 2021	Sunday
2 nd Week 07 June-12 June	- Introduction to PHP - Variables, Data Types, Operators and Expressions, Constants - Code Blocks and Browser Output
13 June,2021	Sunday
3 rd week 14 June-19 June	- Objects, Strings Processing, Form processing, -Connecting to database, using cookies, dynamic contents.
20 June,2021	Sunday
4 th Week 21 June-26 June	- Revision And doubt Clearing - Sessional
27 June,2021	Sunday
5 th Week 28 June-30 June	Revision of important topics.

Lesson plan for the Even semester (April, 2021 to June, 2021)

Name of the Teacher - Dr. Ravneet Kaur

Subject- Computer

Paper- MS-15-43 (Advance Computer Architecture)

Class- M. Sc. IV Sem. (Computer Sc.)

April, 2021 3 rd Week 19 -24 April	- Computational Model - evolution and interpretation of computer architecture, - Classification of parallel architectures, - Relationships between programming languages and parallel architectures
21 April, 2021 25 April,2021	Ram Navami Sunday (MahavirJayanti)
4 th Week 26 -28 April	Optimization - Parallel Processing - Instruction Level Parallel (ILP) processors
02 May, 2021	Sunday
May, 2021 1 st Week 03 May-08 May	- VLIW architecture - Code Scheduling for ILP- Processors Superscalar Processors, comparison of VLIW & superscalar processors
09 May, 2021	Sunday
2 nd Week 10 May-13 May	- Branch Handling: - branch penalties and schemes to reduce them, multiway branches, guarded execution
14 May, 2021 16 May, 2021	Id-UI-Fitr Sunday

Lesson plan for the Even semester (April, 2021 to June, 2021)

Name of the Teacher - Dr. Ravneet Kaur

Subject- Computer

Paper- MS-15-43 (Advance Computer Architecture)

Class- M. Sc. IV Sem. (Computer Sc.)

3 rd Week 17 May-22 May	-Revision, Doubt Clearing And Test
23 May, 2021	Sunday
4 th Week 24 May-29 May	- MIMD Architectures: -Distributed and shared memory - UMA, NUMA, CC-NUMA & COMA models, problems of scalable computers.
30 May, 2021	Sunday
June, 2021 1 st Week 31 May-05 June	-Direct Interconnection Networks -:Linear array, ring, chordal rings, star, tree, 2D mesh, barrel shifter, hyper cubes. - single shared buses, comparison of bandwidths of locked, pended & split transaction buses,
06 June, 2021	Sunday
2 nd Week 07 June-12 June	- Dynamic interconnection networks -arbiter logics, crossbar, multistage networks – omega, butterfly - Cache coherence problem
13 June,2021	Sunday
3 rd week 14 June-19 June	-Hardware based protocols – snoopy cache protocol, directory schemes, hierarchicalcache coherence protocols - Software based protocols.
20 June,2021	Sunday
4 th Week 21 June-26 June	-Revision And doubt Clearing -Sessional
27 June,2021	Sunday
5 th Week 28 June-30 June	Revision And doubt Clearing

Lesson plan for the Even semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Ravneet Kaur

Subject- Computer

Paper- BCA -125 (Structured System Analysis and Design)

Class- BCA II Sem. (Computer Sc.)

<p>April, 2021</p> <p>3rd Week 19 -24 April</p>	<p>System Concept: Definition, Characteristics, Elements of system</p> <p>Types of System:</p> <ul style="list-style-type: none"> -Physical and abstract system, open and closed system, -man -made information systems.- DNS caching and prefetching - System Development Life Cycle
<p>21 April, 2021 25 April,2021</p>	<p>Ram Navami Sunday (MahavirJayanti)</p>
<p>4th Week 26 -28 April</p>	<p>System planning and control for system success.</p> <ul style="list-style-type: none"> -Role of system analyst. -fact finding process and techniques.
<p>02 May, 2021</p>	<p>Sunday</p>
<p>May, 2021</p> <p>1stWeek 03 May-08 May</p>	<p>Tools of structured Analysis:</p> <ul style="list-style-type: none"> -Data Flow diagram, data dictionary, IPO and HIPO charts - Gantt charts, pseudo codes, Flow charts, decision tree, decision tables; <p>Feasibility study: Technical, Operational & Economic Feasibilities.</p>
<p>09 May, 2021</p>	<p>Sunday</p>
<p>2ndWeek 10 May-13 May</p>	<p>-Revision, Doubt Clearing And Test</p>
<p>14 May, 2021 16 May, 2021</p>	<p>Id-UI-Fitr Sunday</p>
<p>3rdWeek 17 May-22 May</p>	<p>Cost/Benefit Analysis:</p> <ul style="list-style-type: none"> -Data analysis cost and benefit analysis of a system <p>Input/ Output and Form Design</p>
<p>23 May, 2021</p>	<p>Sunday</p>
<p>4thWeek 24 May-29 May</p>	<p>File Organization and database design</p> <ul style="list-style-type: none"> - Introduction to files and database - File structures and organization -objectives of database design -logical and physical view of data
<p>30 May, 2021</p>	<p>Sunday</p>

June, 2021 1 st Week 31 May-05 June	System testing -Introduction -objectives of testing - test planning, testing techniques
--	---

Lesson plan for the Even semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Ravneet Kaur

Subject- Computer

Paper- BCA -125 (Structured System Analysis and Design)

Class- BCA II Sem. (Computer Sc.)

06 June, 2021	Sunday
2 nd Week 07 June-12 June	Quality assurance - Goal of quality assurance - levels of quality assurance
13 June,2021	Sunday
3 rd week 14 June-19 June	- System implementation and software maintenance - Primary activities in maintenance -Types of Maintenance - Reducing maintenance costs..
20 June,2021	Sunday
4 th Week 21 June-26 June	-Revision And doubt Clearing -Sessional
27 June,2021	Sunday
5 th Week 28 June-30 June	Revision of important topics.

Lesson plan for the Even semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Ravneet Kaur

Subject- Computer

Paper- BCA -366 (Programming in Core Java)

Class- BCA VI Sem. (Computer Sc.)

April, 2021 3 rd Week 19 -24 April	Basic Principles of Object Oriented Programming, Introduction to Java - History and Features of Java, Java Virtual Machine (JVM) -Java's Magic Byte code; -The Java Runtime Environment;
21 April, 2021 25 April,2021	Ram Navami Sunday (MahavirJayanti)
4 th Week 26 -28 April	Basic Language Elements - Lexical Tokens, Identifiers, Keywords, Literals, Comments, Primitive Data types, -Operators, Assignments - Input/output in Java:
02 May, 2021	Sunday
May, 2021 1 st Week 03 May-08 May	-Basics, I/O Classes, Reading Console Input, Control Structures in Java: -Decision and Loop Control Statements
09 May, 2021	Sunday
2 nd Week 10 May-13 May	Class and Object in Java
14 May, 2021 16 May, 2021	Id-UI-Fitr Sunday
3 rd Week 17 May-22 May	Array & String in Java: Defining Class in Java, Creating Objects of a Class, Methods, Argument Passing Mechanism, Using Class and Objects Constructors , Nested Class, Inner Class, Abstract Class, Dealing with Static Members; Array & String in Java: Defining an Array, Initializing & Accessing Array, Multi – Dimensional Array

23 May, 2021	Sunday
--------------	--------

Lesson plan for the Even semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Ravneet Kaur

Subject- Computer

Paper- BCA -366 (Programming in Core Java)

Class- BCA VI Sem. (Computer Sc.)

4 th Week 24 May-29 May	Polymorphism in Java Extending Classes and Inheritance in Java Organizing Classes and Interfaces in Packages
30 May, 2021	Sunday
June, 2021 1 st Week 31 May-05 June	Revision and Doubt Clearing Exception Handling in Java -The Idea behind Exception, Types of Exception -In-built and User Defined Exception -Checked and Un-Checked Exceptions, Catching more than one Exception
06 June, 2021	Sunday
2 nd Week 07 June-12 June	Applet in Java- Goal of quality assurance - GUI Programming: Designing Graphical User Interfaces in Java - Components and Containers, Using Containers, -Layout Managers
13 June,2021	Sunday
3 rd week 14 June-19 June	AWT -Components - AWT Classes - AWT Controls,
20 June,2021	Sunday
4 th Week 21 June-26 June	-Revision And doubt Clearing -Sessional
27 June,2021	Sunday
5 th Week 28 June-30 June	Revision of important topics.

Lesson plan for the Even semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Ravneet Kaur

Subject- Computer

Paper- (E-Commerce)

Class- B.Com (Voc) II Sem. (Computer Sc.)

April, 2021 3 rd Week 19 -24 April	Internet -Introduction, -Applications - Uses - services
21 April, 2021 25 April,2021	Ram Navami Sunday (MahavirJayanti)
4 th Week 26 -28 April	Information Technology - IT - Needs, Applications -Impact on Business
02 May, 2021	Sunday
May, 2021 1 st Week 03 May-08 May	-Effects of IT on Business E-Commerce -Introduction, Features -Traditional VS E-Commerce practices -Applications - Models
09 May, 2021	Sunday
2 nd Week 10 May-13 May	Framework of E- Commerce Information System - Introduction, Characteristics - Types - Needs - Role of Information System in Decision Making
14 May, 2021 16 May, 2021	Id-UI-Fitr Sunday
3 rd Week 17 May-22 May	Management Information System - Introduction, Characteristics - Objectives - Components of MIS - Limitations Electronic Data Interchange -Introduction -EDI VS Traditional Method -Benefits

	-Components of EDI
--	--------------------

Lesson plan for the Even semester (April, 2021 to June, 2021)

Name of the Teacher – Ms. Ravneet Kaur

Subject- Computer

Paper- (E-Commerce)

Class- B.Com (Voc) II Sem. (Computer Sc.)

23 May, 2021	Sunday
4 th Week 24 May-29 May	Electronic Data Interchange <ul style="list-style-type: none"> - Drawbacks - Financial EDI - Applications in Business
30 May, 2021	Sunday
June, 2021 1 st Week 31 May-05 June	Security In E- Commerce <ul style="list-style-type: none"> -Need -Schemes -Encryption -Legal Aspects
06 June, 2021	Sunday
2 nd Week 07 June-12 June	Revision and Doubt Clearing
13 June,2021	Sunday
3 rd week 14 June-19 June	M- Commerce And E-Governance <ul style="list-style-type: none"> - Introduction - Advantages, Disadvantages - M- Commerce Applications - E- Governance - Difference
20 June,2021	Sunday
4 th Week 21 June-26 June	<ul style="list-style-type: none"> - Challenges in E- Governance -Applications and Recent Initiatives -Revision And doubt Clearing -Sessional
27 June,2021	Sunday
5 th Week 28 June-30 June	Revision of important topics.

