

**I.B. (PG) COLLEGE, PANIPAT**  
**SESSION 2021-2022 (11.04.2022 to 19.07.2022)**

Weekly Lesson Plan (Even Semester)

Name of the Paper:-Advanced Programming with Visual Basic

Class: BCA Final (6th sem)

Name of the Teachers (Section wise): Vinay Bharti

WEEK	DATE	TOPICS
1	April (11-16)	
		Collections Working with Forms: Form Properties, Creating, Adding, Removing Forms in Project
<b>HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)</b>		
<b>SUNDAY - 17.04.2022</b>		
2	April (18-23)	
		Adding Multiple Forms, Managing Forms at Run Time, Hiding & Showing Forms Load & Unload Statements, Drag and Drop Operation Activate & Deactivate events, Form-load event, Example using Forms
<b>SUNDAY - 24.04.2022</b>		
3	April (25-30)	
		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 boxes Attaching Code to Events, Creating Submenus, Dynamic Menu Appearance
<b>SUNDAY - 01.05.2021</b>		
4	May (2, 4-7)	
		Advanced Controls in VB: Scroll Bar, Slider Control Tree View, List View Rich Text Box Control, Toolbar
<b>HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)</b>		
<b>SUNDAY - 08.05.2022</b>		
5	May (9-14)	
		Status Bar, Progress Bar, Cool bar Image List, Program Development in VB using Menus and Advance Controls Program Development in VB using Menus and Advance Controls
<b>SUNDAY - 15.05.2022</b>		

6	May (16-21)	
		Sequential & Random files and its operations
		Sequential & Random files and its operations Assignment 1
<b>SUNDAY - 22.05.2022</b>		
7	May (23-28)	
		Sequential Data File and its operations
		Sequential Data File and its operations Working with Graphics: Using Paint, Line, Circle
<b>SUNDAY -29.05.2022</b>		
8	May (30-31) June (1, 3-4)	
		Conditional Test
		Manipulating Graphics
<b>HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)</b>		
<b>SUNDAY - 05.06.2022</b>		
9	June (6-11)	
		Manipulating Graphics
		Data Controls, Data-Bound Controls ADO
<b>SUNDAY - 12.06.2022</b>		
10	June (13, 15-18)	
		Query Session
		Assignment 2 RDO
<b>HOLIDAY -14.06.2022 (Sant Kabir Jayanti)</b>		
<b>SUNDAY - 19.06.2022</b>		
11	June (20-25)	
		DAO
		Creating the Database, Setting Properties, Applying Operations on Database, Viewing the Database
<b>SUNDAY - 26.06.2022</b>		

12	June (27-30)		
	July (1-2)	Updating the Database (adding, deleting records) Program Development in VB using Database and Advance Controls Program Development in VB using Database and Advance Controls	
	<b>SUNDAY - 03.07.2022</b>		
	13	July (4-9)	Program Development in VB using Database and Advance Controls Program Development in VB using Database and Advance Controls Revision
<b>SUNDAY &amp; HOLIDAY ( Id-ul-Zuha (Bakr-Id) - 10.07.2022</b>			
14		July (11-16)	Revision Revision Revision
		<b>SUNDAY - 17.07.2022</b>	
	15	July (18-19)	
		<b>20.07.2022 - EXAMINATION ONWARDS</b>	

Date: 13.04.2022

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Weekly Lesson Plan (Even Semester)

Name of the Paper:-COMPUTER GRAPHICS

Class: BCA III 6th sem

Name of the Teachers (Section wise): RITU BHARDWAJ

WEEK	DATE	TOPICS
1	April (11-16)	Introduction to Computer Graphics; Interactive and Passive Graphics
		Applications of Computer Graphics;
		Display Devices: CRT; Random Scan, Raster Scan
<b>HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)</b>		
<b>SUNDAY - 17.04.2022</b>		
2	April (18-23)	Refresh Rate and Interlacing, Bit Planes
		Color Depth, Color Palette, Color CRT Monitor,
		DVST, Flat-Panel Displays
<b>SUNDAY - 24.04.2022</b>		
3	April (25-30)	Plasma Panel,
		LED, LCD; Lookup Table
		Interactive Input Devices, Display Processor,
<b>SUNDAY - 01.05.2021</b>		
4	May (2, 4-7)	General Purpose Graphics Software
		Coordinate Representations;
		Point-Plotting Techniques: Scan Conversion, Scan-Converting a Straight Line:
<b>HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)</b>		
<b>SUNDAY - 08.05.2022</b>		
5	May (9-14)	The Symmetrical DDA, The Simple DDA
		Bresenham's Line Algorithm
		Scan-Converting a Circle:
<b>SUNDAY - 15.05.2022</b>		

6	May (16-21)	Circle drawing using Polar Coordinates
		Bresenham's Circle Algorithm,
		Scan-Converting an Ellipse
<b>SUNDAY - 22.05.2022</b>		
7	May (23-28)	Scan-Converting an Ellipse: Polynomial Method
		Trigonometric Method
		Scan-Converting an Ellipse :Polygon Area Filling
<b>SUNDAY - 29.05.2022</b>		
8	May (30-31) June (1, 3-4)	Scan-line Fill and Flood Fill Algorithms;
		Two-Dimensional Graphics Transformation: Basic Transformations: Translation, Rotation, Scaling;
		Matrix Representations and Homogeneous Coordinates
<b>HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)</b>		
<b>SUNDAY - 05.06.2022</b>		
9	June (6-11)	Other Transformations: Reflection, Shearing; Coordinate Transformations;
		Composite Transformations
		Inverse Transformation
<b>SUNDAY - 12.06.2022</b>		
10	June (13, 15-18)	Affine Transformations; Raster Transformation;
		Graphical Input: Pointing and Positioning Devices and Techniques
		Two-Dimensional Viewing: Window and Viewport, 2-D Viewing Transformation
<b>HOLIDAY - 14.06.2022 (Sant Kabir Jayanti)</b>		
<b>SUNDAY - 19.06.2022</b>		
11	June (20-25)	Clipping: Point Clipping; Line Clipping: Cohen-Sutherland Line Clipping Algorithm, Mid-Point Subdivision Line Clipping Algorithm;
		TEST
		Polygon Clipping: Sutherland-Hodgman Polygon Clipping Algorithm;
<b>SUNDAY - 26.06.2022</b>		

12	June (27-30)	Three-Dimensional Graphics: Three-Dimensional Display Methods
		3-D Transformations
	July (1-2)	Translation
<b>SUNDAY - 03.07.2022</b>		
13	July (4-9)	Rotation
		Scaling
		Composite Transformations
<b>SUNDAY &amp; HOLIDAY ( Id-ul-Zuha (Bakr-Id) - 10.07.2022</b>		
14	July (11-16)	TEST
		REVISION
		ASSIGNMENT
<b>SUNDAY - 17.07.2022</b>		
15	July (18-19)	TEST
		REVISION
<b>20.07.2022 - EXAMINATION ONWARDS</b>		

Date: 13.04.2022

**I.B. (PG) COLLEGE, PANIPAT**  
SESSION 2021-2022 (11.04.2022 to 19.07.2022)

Weekly Lesson Plan (Even Semester)

Name of the Paper:- INTERNET TYECHNOLOGY- IT

Class: BCA III (6th sem)

Name of the Teachers (Section wise): PROF. NEETU

WEEK	DATE	TOPICS
1	April (11-16)	
		Internet: Introduction; History; Internet Services; TCP/IP:
		CONTINUE
<b>HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)</b>		
<b>SUNDAY - 17.04.2022</b>		
2	April (18-23)	
		Interconnection: Network Address Translation (NAT)
		Virtual Private Network (VPN); Internet IPSec and SSL
<b>SUNDAY - 24.04.2022</b>		
3	April (25-30)	
		Protocols; TCP/IP model versus OSI Model
		World Wide Web (WWW) - The Client Side, The Server Side, Creating and Searching Information on the Web, Popular Search Engines
<b>SUNDAY - 01.05.2021</b>		
4	May (2, 4-7)	
		Architecture, Layers, URL, HTTP, Web Browsers, Chat & Bulletin Board, USENET & NNTP (Network News Transfer Protocol)
<b>HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)</b>		
<b>SUNDAY - 08.05.2022</b>		
5	May (9-14)	
		Internet vs. Intranet TCP, UDP and IP Protocols, Port Numbers; Format of TCP, UDP and IP
		REVISION
<b>SUNDAY - 15.05.2022</b>		

6	May (16-21)	
		IPv4 addressing;
		needs for IPv6; IPv6 addressing and packet format;
		REVISION
<b>SUNDAY - 22.05.2022</b>		
7	May (23-28)	
		Assignment I
		TCP Services; TCP Connection Management; Remote
		Procedure Call; IP Address Resolution- DNS
<b>SUNDAY - 29.05.2022</b>		
8	May (30-31) June (1, 3-4)	
		DNS Mapping; Recursive and
		Iterative Resolution; Mapping Internet Addresses to Physical Addresses
		REVISION
<b>HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)</b>		
<b>SUNDAY - 05.06.2022</b>		
9	June (6-11)	
		ARP, RARP, DHCP; ICMP;
		IGMP
		Application Layer: Electronic Mail: Architecture; Protocols - SMTP
<b>SUNDAY - 12.06.2022</b>		
10	June (13, 15-18)	
		Conditional Test
		MIME, POP, IMAP; Web Based
		Mail; File Access and Transfer: FTP, Anonymous FTP
<b>HOLIDAY - 14.06.2022 (Sant Kabir Jayanti)</b>		
<b>SUNDAY - 19.06.2022</b>		
11	June (20-25)	
		TFTP, NFS; Remote Login using TELNET;
		Voice and Video over IP:
		Internet Security: E-Mail Security; Web Security; Firewall; Introduction to
<b>SUNDAY - 26.06.2022</b>		



12	June (27-30)	
	July (1-2)	RTP,RTCP, IP Telephony and Signaling, RSVP;
		Assignment II
		QUERY SESSION
	<b>SUNDAY - 03.07.2022</b>	
13	July (4-9)	
		Routing in Internet: RIP, OSPF, BGP
		Internet Multicasting; Mobile IP; Private Network
		Management and SNMP
<b>SUNDAY &amp; HOLIDAY ( Id-ul-Zuha (Bakr-Id) - 10.07.2022</b>		
14	July (11-16)	
		REVISION
		REVISION
		REVISION
<b>SUNDAY - 17.07.2022</b>		
15	July (18-19)	REVISION
		REVISION
<b>20.07.2022 - EXAMINATION ONWARDS</b>		

Date: 13.04.2022

**I.B. (PG) COLLEGE, PANIPAT****SESSION 2021-2022 (11.04.2022 to 19.07.2022)****Weekly Lesson Plan (Even Semester)****UG ( 2nd / 4th / 6th Semester)****&****PG ( 2nd / 4th)****Name of the Paper:- JAVA****Class: BCA-III (6th sem)****Name of the Teachers (Section wise): \_Mohit Dhiman**

WEEK	DATE	TOPICS
1	April (11-16)	Basic Principles of object oriented Programming,
		introduction to java, History
		Features of java,
		Java virtual machine(JVM), Java's Magic Bytecode, continue...
<b>HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)</b>		
<b>SUNDAY - 17.04.2022</b>		
2	April (18-23)	The Runtime environment,
		Basic Language Elements : Lexical Tokens, Identifier,
		Keyword, Literals,
		Comments, Primitive Data types, operators,Assignments
<b>SUNDAY - 24.04.2022</b>		
3	April (25-30)	continue...
		control structures in java :Decision and loop control statement
		continue...
		Revise class and object in java :Defining class in java, creating objects of a class,
<b>SUNDAY - 01.05.2021</b>		
4	May (2, 4-7)	continue...
		Defining methods,Argument Passing Mechanism, using class and object,
		constructors,
		nested class,
<b>HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)</b>		
<b>SUNDAY - 08.05.2022</b>		
5	May (9-14)	inner class,
		abstract class,
		Dealing with static members, array and string in java: Defining an array,
		initializing & accessing array, Multi-Dimensional array,
<b>SUNDAY - 15.05.2022</b>		

6	May (16-21)	continue...
		defining string,
		operational on array and string,
		continue...
		creating string using string class, creating string using buffer class,
<b>SUNDAY - 22.05.2022</b>		
7	May (23-28)	Polymorphism in java: Basic concept ,
		Types,overridind Vs overloading implementation,
		continue...
		Revise
		Extending classes and inheritance in java : Benefits, Types of inheritance in java,
<b>SUNDAY -29.05.2022</b>		
8	May (30-31) June (1, 3-4)	continue...
		Access attribubtes,
		inheritance data member and methods, role of constructures in inheritance,
		use of super,
<b>HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)</b>		
<b>SUNDAY - 05.06.2022</b>		
9	June (6-11)	Packages & interfaces: Basic concepts of package and interface
		continue...
		organizing classes and interfaces in packages,
		Defining Package,
		Adding classes from a package to your program, classPath setting for package,
<b>SUNDAY - 12.06.2022</b>		
10	June (13, 15-18)	continue...
		import package,Naming convention for package,
		Access Protection in package, Standard packages
		Revise Exception Handling in java: The idea behind exception ,
<b>HOLIDAY -14.06.2022 (Sant Kabir Jayanti)</b>		
<b>SUNDAY - 19.06.2022</b>		
11	June (20-25)	Types of exception,
		continue...
		use of try,catch, throw,finally,
		throws in exception handling,
		in-built and user define exception,
<b>SUNDAY - 26.06.2022</b>		

12	June (27-30)	checkes and unchecked exception,
		catching more than one exception ,
	July (1-2)	Applet architecture,
		Applet life cycle, Applet Tags,
		continue...
Parameters to Applet,		
<b>SUNDAY - 03.07.2022</b>		
13	July (4-9)	Embedding Applets in web pages,
		creating simple Applets,
		continue...
		GUI Programming:Designing Graphical user interfaces in java,
		Components and Containers,
continue..		
<b>SUNDAY &amp; HOLIDAY ( Id-ul-Zuha (Bakr-Id) - 10.07.2022</b>		
14	July (11-16)	using Containers,
		layout Managers,
		Awt Components,
		continue...
		Awt classes,
Awt Controls		
<b>SUNDAY - 17.07.2022</b>		
15	July (18-19)	continue...
		Revise
<b>20.07.2022 - EXAMINATION ONWARDS</b>		

Date: 13.04.2022

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**SESSION 2021-2022 (11.04.2022 to 19.07.2022)**

Weekly Lesson Plan (Even Semester)

Name of the Paper:- Web Designing Using Advanced Tools

Class: B.C.A.III (6th Sem)

Name of the Teachers (Section wise): Deepty Juneja

WEEK	DATE	TOPICS
1	April (11-16)	JavaScript: Introduction, Features
		Data types, Operators, Statements
		Functions, Event Handling
<b>HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)</b>		
<b>SUNDAY - 17.04.2022</b>		
2	April (18-23)	Use of Predefined Object and Methods, Frames
		Windows, Tables, Images, Links
		VBScript: Introduction, Features, Variables, Data Types
<b>SUNDAY - 24.04.2022</b>		
3	April (25-30)	Numeric and Literal, Constants, Arrays
		Operators, Subroutine Procedures
		Function Procedures, Control Statements
<b>SUNDAY - 01.05.2021</b>		
4	May (2, 4-7)	Strings, Message and Input Boxes, Date and Time
		Event Handlers, Embedding VBScript in HTML
<b>HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)</b>		
<b>SUNDAY - 08.05.2022</b>		
5	May (9-14)	Active Script Pages – Introduction, Features, Client-Server Model, Data Types
		Decision Making Statements
		Control statements
<b>SUNDAY - 15.05.2022</b>		

6	May (16-21)	Use of Various Objects of ASP, Various Techniques of Connecting to Database
		Macromedia Flash, Macromedia Dreamweaver, PHP:
		PHP: Basic Introduction and Features
<b>SUNDAY - 22.05.2022</b>		
7	May (23-28)	Assignment I
		DHTML: Introduction, Features, Events
		Dynamic Positioning, Layer Object,
<b>SUNDAY -29.05.2022</b>		
8	May (30-31) June (1, 3-4)	Properties of STYLE, Dynamic Styles, Inline Styles,
		Event Handlers; Cascading Style Sheets (CSS): Basic Concepts, Properties
		Creating Style Sheet, Common Tasks with CSS
<b>HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)</b>		
<b>SUNDAY - 05.06.2022</b>		
9	June (6-11)	Text, Fonts, Margins, Links, Tables
		Colors; Marquee; Mouseovers
		Conditional Test
<b>SUNDAY - 12.06.2022</b>		
10	June (13, 15-18)	Filters and Transitions
		Adding Links; Adding Tables;
<b>HOLIDAY -14.06.2022 (Sant Kabir Jayanti)</b>		
<b>SUNDAY - 19.06.2022</b>		
11	June (20-25)	Adding Forms
		Adding Image and Sound;
		Use of CSS in HTML Documents Linking and Embedding of CSS in HTML Document
<b>SUNDAY - 26.06.2022</b>		

12	June (27-30)	Microsoft FrontPage: Introduction, Features,
		Title Bar, Menu bar, FrontPage Tool Bar, Style, FontFace and Formatting Bar, Scroll Bars
	July (1-2)	
<b>SUNDAY - 03.07.2022</b>		
13	July (4-9)	Assignment II
		XML: Introduction, Features, XML Support and Usage
		Structure of XML Documents, Structures in XML
<b>SUNDAY &amp; HOLIDAY ( Id-ul-Zuha (Bakr-Id) - 10.07.2022</b>		
14	July (11-16)	Creating Document Type Declarations, Flow Objects
		Working with Text and Font, Color
		Background Properties
<b>SUNDAY - 17.07.2022</b>		
15	July (18-19)	Revision
		Revision
<b>20.07.2022 - EXAMINATION ONWARDS</b>		