

I.B. (PG) COLLEGE, PANIPAT

SESSION 2020-2021

Weekly Lesson Plan (Even Semester) UG (6th Semester)

Name of the Paper:- Web Designing Using Advanced Tools

Class: BCA III Year

Name of the Teachers (Section wise): Prof. Vinay Bharti

WEEK	DATE	TOPICS
1	April (19-20) , (22-24)	Interactivity Tool - JavaScript: Introduction, Features,
		Data types, Operators
HOIDAY - 21.04.2021 (Ram Navami)		
SUNDAY & Holiday (Mahavir Jayanti) 25.04.2021		
2	April (26 -30)	Statements, Functions, Event Handling,
		Programming Examples
	May (1st)	
SUNDAY - 02.05.2021		
3	May (03 - 08)	Use of Predefined Object and Methods, Frames, Windows,
		Tables, Images, Links
SUNDAY - 09.05.2021		
4	May (10-13) (15)	Interactivity Tool - VBScript: Introduction, Features, Variables,
		Data Types, Numeric and Literal Constants, Arrays
HOLIDAY - 14.05.2021 (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 16.05.2021		
5	May (17-22)	Operators, Subroutine Procedures, Function Procedures,
		Control Statements, Strings, Message and Input Boxes,
		Date and Time, Event Handlers, Embedding VBScript in HTML

SUNDAY - 23.05.2021		
6	May (24-29)	Interactivity Tool - Active Script Pages – Introduction, Features,
		Client-Server Model, Data Types, Decision Making
		Statements, Control statements
		Assignment
SUNDAY - 30.05.2021		
7	May (31)	Use of Various Objects of ASP,
	June (1 - 5)	Various Techniques of Connecting to Database
		Conditional Test I
		Revision
SUNDAY - 06.06.2021		
8	June (7-12)	Other Interactivity Tools - Macromedia Flash,
		Macromedia Dreamweaver, PHP: Basic Introduction
		and Features
		Revision
SUNDAY & Holiday (Maharana Pratap Jayanti) 13.06.2021		
9	June (14 -19)	DHTML: Introduction, Features, Events, Dynamic Positioning,
		Layer Object, Properties of STYLE, Dynamic Styles,
		Inline Styles, Event Handlers
		Assignment
SUNDAY - 20.06.2021		
10	June (21-23) (25 - 26)	Cascading Style Sheets (CSS): Basic Concepts, Properties,
		Creating Style Sheets; Common Tasks with CSS: Text, Fonts,
		Margins, Links, Tables, Colors; Marquee; Mouseovers;
		Filters and Transitions;
HOLIDAY - 24.06.2021 (Sant Kabir Jayanti)		
SUNDAY - 27.06.2021		
11	June (28-30)	Adding Links; Adding Tables; Adding Forms;
		Adding Image and Sound; Use of CSS in HTML Documents
		Linking and Embedding of CSS in HTML Document
	July (1-3)	Microsoft FrontPage: Introduction, Features, Title Bar, Menu bar,
		FrontPage Tool Bar, Style, FontFace and Formatting Bar,
		Scroll Bars

SUNDAY - 04.07.2021		
12	July (5 - 10)	XML: Introduction, Features, XML Support and Usage,
		Structure of XML Documents, Structures in XML,
		Creating Document Type Declarations, Flow Objects,
		Working with Text and Font, Color and Background Properties
SUNDAY - 11 .07.2021		
13	July (12)	Revision

I.B. (PG) COLLEGE, PANIPAT

SESSION 2020-2021

Weekly Lesson Plan (Even Semester) UG (6th Semester)

Name of the Paper:-Operating System -II Class: BCA III Year

Name of the Teachers (Section wise): DR.RANJU

WEEK	DATE	TOPICS
1	April (19-20) , (22-24)	PROCESS SYNCHRONIZATION
		CRITICAL SECTION PROBLEM, SINGLE PROCESS/TWO PROCESS SOL.
		SEMAPHORES, TYPES IMPLEMENTATION
		DEADLOCKS STARVATION
		DEADLOCKS STARVATION
HOLIDAY - 21.04.2021 (Ram Navami)		
SUNDAY & Holiday (Mahavir Jayanti) 25.04.2021		
2	April (26 -30)	CLASSICAL PROBLEMS OF SYNCHRONIZATION
		THE BOUNDED BUFFER PROBLEM
		THE READERS & WRITERS PROBLEM
		THE DINING PHILOSOPHERS PROBLEM
	May (1st)	CRITICAL REGIONS, MONITORS
		DIRECTORY STRUCTURE
SUNDAY - 02.05.2021		
3	May (03 - 08)	SINGLE , TWO LEVEL, TREE STRUCTURES
		ACYCLIC GRAPH, GENERAL GRAPH
		DIRECTORY IMPLEMENTATION
		RECOVERY
		SECONDARY STORAGE STRUCTURE
		DISK STRUCTURE
SUNDAY - 09.05.2021		
4	May (10-13) (15)	DISK SCHEDULING
		DISK SCHEDULING
		SELECTION OF DISK SCHEDULING ALGO
		DISK MGT
		SWAP SPACE MGT

HOLIDAY - 14.05.2021 (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 16.05.2021		
5	May (17-22)	REMOTE LOGIN
		REMOTE FILE TRANSFER
		DATA MIGRATION
		COMPUTAION MIGARATION
		PROCESS MIGRATION
		PROCESS MIGRATION
SUNDAY - 23.05.2021		
6	May (24-29)	ASSIGNMENT 1
		C.TEST 1
		PROBLEMS
		LINUX INTRO
		FEATURES ARCHITECTURE
		DISTRIBUTUIONS
SUNDAY - 30.05.2021		
7	May (31) June (1 - 5)	ACCESING LINUX SYSTEM, LOGIN, LOGOUT SHUTTING DOWN
		COMPARISON WITH OTHER OS
		COMMANDS IN LINUX
		GENERAL PURPOSE
		FILE ORIENTED
		DIRECTORTY ORIENTED
SUNDAY - 06.06.2021		
8	June (7-12)	COMMUNCATION OREITNED
		PROCESS ORIENETED, REDIRECTION OF INPUT & OUTPUT
		PROCESS ORIENETED, REDIRECTION OF INPUT & OUTPUT , PIPED
		LINUX FILE SYSTEM
		TYPES OF FILES IN LINUX
		FILE ATTRIBUTES, STURUCTURES, INODE

SUNDAY & Holiday (Maharana Pratap Jayanti) 13.06.2021		
9	June (14 -19)	FILE PERMISSION
		FILE SYSTEM COMPONENTS
		STANDARD FILE SYSTEM, FILE SYSTEM TYPES
		STANDARD FILE SYSTEM, FILE SYSTEM TYPES
		DISK RELATED COMMANDS
		JOB CONTROL IN LINUX USING BATCH CORN & TIME COMMANDS
SUNDAY - 20.06.2021		
10	June (21-23) (25 - 26)	JOB CONTROL IN LINUX USING BATCH CORN & TIME COMMANDS
		JOB CONTROL IN LINUX USING BATCH CORN & TIME COMMANDS
		THE VI EDITOR
		THE VI EDITOR MODES
		THE VI EDITOR MODES
HOLIDAY - 24.06.2021 (Sant Kabir Jayanti)		
SUNDAY - 27.06.2021		
11	June (28-30)	THE VI EDITOR COMMANDS
		C.TEST 2
	July (1-3)	INTROD TO SHELL PROGRAMMING
		SHELL VARIABLES
		SHELL KEYWORDS, OPERATORS ASSIGNING VALUES
		I/O IN SHELL
SUNDAY - 04.07.2021		
12	July (5 - 10)	CONTROL STRUCTURES
		I/O IN SHELL
		I/O IN SHELL, CREATING & EXECUTING SHELL PROGRAMS
		REVISION
		REVISION
		REVISION
SUNDAY - 11 .07.2021		
13	July (12)	REVISION

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Weekly Lesson Plan (Even Semester) UG (6th Semester)

Name of the Paper:- Computer Graphics Class: BCA III

Name of the Teachers (Section wise): Mr. Ajmer Singh

WEEK	DATE	TOPICS
1	April (19-20) , (22-24)	Introduction to Computer Graphics;
		Applications of Computer Graphics
		Continue
HOIDAY - 21.04.2021 (Ram Navami)		
SUNDAY & Holiday (Mahavir Jayanti) 25.04.2021		
2	April (26 -30)	Display Devices: CRT
		Random Scan, Raster Scan, Refresh Rate and Interlacing, Continue
	May (1st)	
SUNDAY - 02.05.2021		
3	May (03 - 08)	Color Depth, Color Palette, Color CRT Monitor
		DVST, Flat-Panel Displays:
		Lookup Table
SUNDAY - 09.05.2021		
4	May (10-13) (15)	Software, Coordinate Representations
		Introduction to scan conversion
		Scan-Converting a Straight Line:
HOLIDAY - 14.05.2021 (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 16.05.2021		
5	May (17-22)	The Symmetrical DDA and Simple DDA
		Bresenham's Line Algorithm
		Scan-Converting a Circle

SUNDAY - 23.05.2021		
6	May (24-29)	Bresenham's Circle Algorithm
		Scan-Converting an Ellipse
		Polygon Area Filling: Scan-line Fill and Flood Fill Algorithms;
SUNDAY - 30.05.2021		
7	May (31)	Two-Dimensional Graphics Transformation:
	June (1 - 5)	Continue
		Matrix Representations and Homogeneous Coordinates
SUNDAY - 06.06.2021		
8	June (7-12)	Composite Transformations
		Graphical Input: Pointing and Positioning Devices and Techniques
		Two-Dimensional Viewing: Window and Viewport
SUNDAY & Holiday (Maharana Pratap Jayanti) 13.06.2021		
9	June (14 -19)	2-D Viewing Transformation
		Clipping: Point Clipping;
		Line Clipping: Cohen-Sutherland Line Clipping Algorithm
SUNDAY - 20.06.2021		
10	June (21-23) (25 - 26)	Polygon Clipping: Sutherland-Hodgman Polygon Clipping Algorithm
		Three-Dimensional Graphics:
		Three-Dimensional Display Methods
HOLIDAY - 24.06.2021 (Sant Kabir Jayanti)		
SUNDAY - 27.06.2021		
11	June (28-30)	Introduction to 3-D Transformations
	July (1-3)	Continue
		Continue

SUNDAY - 04.07.2021		
12	July (5 - 10)	
SUNDAY - 11 .07.2021		
13	July (12)	

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Weekly Lesson Plan (Even Semester) UG (6th Semester)

Name of the Paper:-_Internet Technologies Class: __BCA III _____

Name of the Teachers (Section wise): ___GEETIKA NARANG_____

WEEK	DATE	TOPICS
1	April (19-20), (22-24)	
		Internet: Introduction; History; Internet Services
		TCP/IP: Architecture
HOIDAY - 21.04.2021 (Ram Navami)		
SUNDAY & Holiday (Mahavir Jayanti) 25.04.2021		
2	April (26 -30)	
		Layers, Protocols
	May (1st)	TCP/IP model versus OSI Model
		World Wide Web (WWW) - The Client Side, The Server Side
SUNDAY - 02.05.2021		
3	May (03 - 08)	
		Creating and Searching Information on the Web,Search Engines
		URL,HTTP
		Web Browsers, Chat & Bulletin Board
SUNDAY - 09.05.2021		
4	May (10-13) (15)	
		USENET & NNTP (Network News Transfer Protocol)
		Internet vs. Intranet,Class Test
HOLIDAY - 14.05.2021 (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 16.05.2021		
5	May (17-22)	
		TCP, UDP and IP Protocols
		Port Numbers; Format of TCP, Format of UDP
		Format of IP; IPv4 addressing

SUNDAY - 23.05.2021		
6	May (24-29)	
		The need for IPv6; IPv6 addressing, packet format
		TCP Services; TCP Connection Management
Remote Procedure Call; IP Address Resolution- DNS		
SUNDAY - 30.05.2021		
7	May (31)	
	June (1 - 5)	
		Domain Name Space; DNS Mapping, Assignment 1
		Recursive and Iterative Resolution
Mapping Internet Addresses to Physical Addresses: ARP, RARP,		
SUNDAY - 06.06.2021		
8	June (7-12)	
		DHCP; ICMP
		IGMP, Application Layer: Electronic Mail: Architecture
		Protocols - SMTP, MIME
SUNDAY & Holiday (Maharana Pratap Jayanti) 13.06.2021		
9	June (14 -19)	
		Conditional Test
		POP, IMAP; Web Based Mail
File Access and Transfer: FTP, Anonymous FTP		
SUNDAY - 20.06.2021		
10	June (21-23) (25 - 26)	
		TFTP, NFS; Remote Login using TELNET
		Assignment2, Voice and Video over IP: RTP
RTCP, IP Telephony and Signaling, RSVP, Assignment2		
HOLIDAY - 24.06.2021 (Sant Kabir Jayanti)		
SUNDAY - 27.06.2021		
11	June (28-30)	
	July (1-3)	
		Routing in Internet: RIP, OSPF, BGP
		Internet Multicasting
Mobile IP; Private Network Interconnection: NAT		

SUNDAY - 04.07.2021		
12	July (5 - 10)	
		Virtual Private Network (VPN); Internet Management and SNMP
		Internet Security: E-Mail Security; Web Security; Firewall
		Introduction to IPSec and SSL
SUNDAY - 11 .07.2021		
13	July (12)	REVISION

I.B. (PG) COLLEGE, PANIPAT

SESSION 2020-2021

Weekly Lesson Plan (Even Semester) UG (6th Semester)

Name of the Paper:-VISUAL BASIC PROGRAMMING

Class: B.C.A. III Year

Name of the Teachers (Section wise): DEEPTY JUNEJA

WEEK	DATE	TOPICS
1	April (19-20), (22-24)	COLLECTION
		WORKING WITH FORMS: PROPERTIES, CREATING,ADDING,REMOVING FORMS IN A PROJECT
		ADDING MULTIPLE FORMS.MANAGING FORMS AT RUN TIME
HOIDAY - 21.04.2021 (Ram Navami)		
SUNDAY & Holiday (Mahavir Jayanti) 25.04.2021		
2	April (26 -30)	HIDING AND SHOWING FORMS,LOAD UNLOAD STATEMENT
		DRAG AND DROP OPERATION
		ACTIVATE,DEACTIVATE EVENTS,FORM -LOAD EVENT
	May (1st)	
SUNDAY - 02.05.2021		
3	May (03 - 08)	MENU DESIGNING
		MENU DESIGNING
		MENU DESIGNING
SUNDAY - 09.05.2021		
4	May (10-13) (15)	ADVANCE CONTROL: SCROLL BAR,SLIDER CONTROL
		TREE VIEW
		LIST VIEW
HOLIDAY - 14.05.2021 (Id-ul-Fitr / Parshuram Jayanti)		

SUNDAY - 16.05.2021		
5	May (17-22)	RICH TEXT BOX CONTROL
		TOOLBAR,STATUS BAR,PROGRESS BAR
		COOL BAR,IMAGE LIST
SUNDAY - 23.05.2021		
6	May (24-29)	FILE HANDLING & FILE CONTROL: SEQUENTIAL & RANDOM FILES,
		OPENING AND CLOSING DATA FILES,
		VEIWING DATA IN A FILE,CREATING A SEQUENTIAL DATA FILES
SUNDAY - 30.05.2021		
7	May (31)	WRITING DATA TO A SEQUENTIAL FILE,
	June (1 - 5)	READING THE DATA IN A SEQUENTIAL FILE
		ASSIGNMENT I
SUNDAY - 06.06.2021		
8	June (7-12)	FINDING THE END OF A DATA FILE, LOCATING A FILE
		READING AND WRITING A RANDOM FILE
		CONDITIONAL TEST
SUNDAY & Holiday (Maharana Pratap Jayanti) 13.06.2021		
9	June (14 -19)	WORKING WITH GRAPHICS
		WORKING WITH GRAPHICS
		DATA CONTROL.DATA BOUND CONTROL
		DAO
SUNDAY - 20.06.2021		

10	June (21-23) (25 - 26)	ADO
		RDO
		CREATING THE DATABASE,SETTING PROPERTIES
HOLIDAY - 24.06.2021 (Sant Kabir Jayanti)		
SUNDAY - 27.06.2021		
11	June (28-30)	APPLYING OPERATIONS ON DATABASE
		ASSIGNMENT II
		VIEWING THE DATABASE,UPDATING THE DATABASE
	July (1-3)	
SUNDAY - 04.07.2021		
12	July (5 - 10)	PRACTICE OF PROGRAMMING
		PRACTICE OF PROGRAMMING
		PRACTICE OF PROGRAMMING
SUNDAY - 11 .07.2021		
13	July (12)	PRACTICE OF PROGRAMMING

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SESSION 2020-2021

Weekly Lesson Plan (Even Semester)

UG

(6th Semester)

Name of the Paper:- __CORE JAVA__

Class: **BCA III**

Name of the Teachers (Section wise): _____GEEFIKA NARANG_____

WEEK	DATE	TOPICS
1	April (19-20) , (22-24)	Basic Principles of OOP, Intro. to Java, History and Features of Java
		Java Virtual Machine (JVM), Java's Magic Bytecode
		The Java Runtime Environment;
		Language Elements: Lexical Tokens, Identifiers, Keywords, Literals
		Comments, Primitive Data types
HOLIDAY - 21.04.2021 (Ram Navami)		
SUNDAY & Holiday (Mahavir Jayanti) 25.04.2021		
2	April (26 -30)	Operators
		Assignments; Input/output in Java
		Basics, I/O Classes
		Reading Console Input
	May (1st)	Control Structures in Java: Decision and Loop Control Statement
		Class and Object in Java: Defining Class in Java
SUNDAY - 02.05.2021		
3	May (03 - 08)	Creating Objects of a Class, Defining 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
SUNDAY - 09.05.2021		
4	May (10-13) (15)	Multi -Dimensional Array
		Defining String
		Operation on Array
		Operation on String
		Creating Strings using String Class
HOLIDAY - 14.05.2021 (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 16.05.2021		
5	May (17-22)	Creating Strings using StringBuffer Class
		Polymorphism in Java: Basic Concept
		Types
		Overriding vs. Overloading
		Implementation
		Extending Classes and Inheritance in Java:

SUNDAY - 23.05.2021		
6	May (24-29)	Benefits of Inheritance
		Types of Inheritance in Java
		Access Attributes
		Class Test, Inheriting Data Members
		Inheriting methods
		Role of Constructors in Inheritance
SUNDAY - 30.05.2021		
7	May (31)	Use of "super"
	June (1 - 5)	Packages & Interfaces: Basic Concepts of Package and Interface
		Do
		Organizing Classes and Interfaces in Packages
		Defining Package
		Adding Classes from a Package to Your Program, Assignment 1
SUNDAY - 06.06.2021		
8	June (7-12)	CLASSPATH Setting for Packages, Import Package
		Naming Convention For Packages
		Access Protection in Packages
		Conditional Test
		Standard Packages
		Exception Handling in Java: The Idea behind Exception
SUNDAY & Holiday (Maharana Pratap Jayanti) 13.06.2021		
9	June (14 -19)	Types of Exception
		Use of try, catch, finally
		throw, throws in Exception Handling
		In-built and User Defined Exceptions
		Checked and Un-Checked Exceptions
		Catching more than one Exception
SUNDAY - 20.06.2021		
10	June (21-23) (25 - 26)	Applet in Java: Applet Basics, Applet Architecture
		Applet Life Cycle, Applet Tag
		Parameters to Applet, Assignment2
		Embedding Applets in Web page
		Creating Simple Applets
HOLIDAY - 24.06.2021 (Sant Kabir Jayanti)		
SUNDAY - 27.06.2021		
11	June (28-30)	Class test
	July (1-3)	GUI Programming: Designing Graphical User Interfaces in Java
		Components and Containers
		Using Containers, Layout Managers
		AWT Components
		AWT Classes

SUNDAY - 04.07.2021		
12	July (5 - 10)	AWT Controls
		Revision
		Revision
		Revision
		Revision
		Revision
SUNDAY - 11 .07.2021		
13	July (12)	Revision