

I.B. (PG) COLLEGE, PANIPAT

SESSION 2020-2021

Weekly Lesson Plan (Odd Semester)

(1st Semester)

Name of the Paper:- Computer Fundamentals

Class: BCA I Year

Name of the Teachers (Section wise): Prof. DEEPTY JUNEJA

WEEK	DATE	TOPICS
1	November (16-21)	
		DEFINATION OF COMPUTER,BLOCK DIAGRAM ALONG WITH ITS COMPONENTS
		CHARACTERSTICS OF COMPUTER
		CLASSIFICATION OF COMPUTER
SUNDAY - 22.11.2020		
2	November (23-28)	
		APPLICATION OF COMPUTER IN VARIOUS FIELDS
		CONCEPT OF PRIMARY MEMORY & SECONDARY MEMORY
		RAM, ROM,TYPE OF ROM
SUNDAY - 29.11.2020		
HOLIDAY - 30.11.2020 (Guru Nanak Dev Jayanti)		
3	December (1-5)	
		FLASH MEMORY,SEQUENTIAL & DIRECT ACESS DEVICES
		SEQUENTIAL & DIRECT ACESS DEVICES
		COMPUTER HARDWARE & SOFTWARE
SUNDAY - 06.12.2020		
4	December (07-12)	
		I/O DEVICES
		I/O DEVICES
		I/O DEVICES
SUNDAY - 13.12.2020		
5	December (14-19)	
		RELATIONSHIP BETWEEN HARDWARE & SOFTWARE,TYPE OF SOFTWARE
		DEFINATION OF OS & ITS FUNCTIONS
		MULTIPROGRAMMING,MULTITASKING
SUNDAY - 20.12.2020		

6	December (21-24) (26)	
		MULTI THREADING, MULTI PROCESSING
		TIM SHARING , REAL TIME
HOLIDAY - 25.12.2020 (Christmas)		
SUNDAY - 27.12.2020		
7	December (28-31) January (1-2)	
		SINGLE USER & MULTI USER OPERATING SYSTEM
		PROBLEM DISCUSSION
		Assignment 1
SUNDAY - 03.01.2021		
8	January (4-9)	
		CONCEPT OF PROBLEM SOLVING,PROBLEM DEFINATION
		PROGRAM DESIGN,DEBUGGING
		TYPES OF ERROR IN PROGRAMMING
SUNDAY - 10.01.2021		
9	January (11-16)	
		DOCUMENTATION, FLOWCHART
		ALG ORITHM, PSEUDO CODES
		DECISION TABLE
SUNDAY - 17.01.2021		
10	January (18-19) 21-23)	
		STRUCTURED PROGRAMMING CONCEPTS
		GROUP DISCUSSION
HOLIDAY - 20.01.2021 (Guru Gobind Singh Jayanti)		
SUNDAY - 24.01.2021		
11	January (25) (27-30)	
		CONDITIONAL TEST
		TOP DOWN METHODOLOGIES
		BOTTOM UP METHODOLOGIES
HOLIDAY - 26.01.2021 (Republic Day)		
SUNDAY - 31.01.2021		

12	February (01-06)	
		COMPUTER VIRUS
		Assignment II,LINEAR SEARCH
		BINARY SEARCH
SUNDAY - 07.02.2021		
13	February (08-13)	
		BUBBLE SORT
		SELECTION SORT
		INSERTION SORT,MERGING
SUNDAY - 14.02.2021		
14	February (15 - 20)	
		ANALOGY WITH NATURAL LANGUAGES,MACHINE LANGUAGE, ASSEMBLY LANGUAGE
		HIGH LEVEL LANGUAGE,Translators
		CHARACTERSTICS OF GOOD PROGRAMMING LANGUAGES

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Name of the Paper:- PC SOFTWARE

Class: BCA I Year

Name of the Teachers (Section wise): Prof. GEETIKA NARANG

WEEK	DATE	TOPICS
1	November (16-21)	
SUNDAY - 22.11.2020		
2	November (23-28)	
		MS-Windows:Operating System&its function,Windows
		Icons,TaskBar,Activating Windows,Using Desktop
SUNDAY - 29.11.2020		
HOLIDAY - 30.11.2020 (Guru Nanak Dev Jayanti)		
3	December (1-5)	Title Bar, Running Application
		Exploring Computer,Managing Files & Folders
SUNDAY - 06.12.2020		
4	December (07-12)	Copying&Moving Files and Folders
		Control Panel:Display Properties
		Adding & Removing Software and Hardware
SUNDAY - 13.12.2020		
5	December (14-19)	Setting Date & Time,ScreenSaver
		Using Window Accessories & Assignment 1
		Documentation Using MS-Word-Introduction
SUNDAY - 20.12.2020		

6	December (21-24) (26)	Tool,Menus,Creating and Editing Document,Formatting
		Finding & Replacing Text,Format Paniter
		Header & Footer,Drop Cap
HOLIDAY - 25.12.2020 (Christmas)		
SUNDAY - 27.12.2020		
7	December (28-31) January (1-2)	Auto Text,Autocorrect,Spelling & Grammer Tool
		Document Dictionary,Page Formatting
		Bookmark,previewing and Printing,Mail Merge
SUNDAY - 03.01.2021		
8	January (4-9)	Macro,Tables,File Management,Printing
		Styles,Linking and Embedding Object,Template
		Electronic Spreadsheet:Introduction,Cell,Cell Address
SUNDAY - 10.01.2021		
9	January (11-16)	Creating & Editing Workshhet,Formatting
		Moving & Copying Data,Header &Footer
		Formulas & Function&Class Test
SUNDAY - 17.01.2021		
10	January (18-19) 21-23)	Charts,Cell Referencing
		Page Setup,Macros
		Advanced Features:Pivot Table
HOLIDAY - 20.01.2021 (Guru Gobind Singh Jayanti)		
SUNDAY - 24.01.2021		
11	January (25) (27-30)	Pivot Chart,Linking & Consolidation
		Database Management using Excel
		Sorting,Filtering,Assignment 2
HOLIDAY - 26.01.2021 (Republic Day)		
SUNDAY - 31.01.2021		

12	February (01-06)	Validation,What if analysis with Goal Seek,Con. Formatting
		Conditional Test
		Presentation using MS-PowerPoint:Presentation
SUNDAY - 07.02.2021		
13	February (08-13)	Creating,Manipulating&Enhancing Slides
		Organizational Charts
		Excel Charts,Word Art,Learning Layout Objects,Animation
SUNDAY - 14.02.2021		
14	February (15 - 20)	Inserting Animated Pictures or Accessing Through Objects
		Inserting Recorded Sound Effects or inbuilt Sound Effects
		Continue

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Name of the Paper:- Mathematics

Class: BCA I Year

Name of the Teachers (Section wise): Prof. MANISH KUMAR

WEEK	DATE	TOPICS
1	November (16-21)	Sets,subset
		Operations on sets,venn diagram of sets
		Power set of a set,Equivalence relations
SUNDAY - 22.11.2020		
2	November (23-28)	Permutation and Combination
		Examples
		Examples
		Partially ordered set
SUNDAY - 29.11.2020		
HOLIDAY - 30.11.2020 (Guru Nanak Dev Jayanti)		
3	December (1-5)	Lattices
		Examples
		Boolean algebra
		Examples
SUNDAY - 06.12.2020		
4	December (07-12)	Basic property of limit
		Continuous functions
		Different type of discontinuity
		Examples
SUNDAY - 13.12.2020		
5	December (14-19)	Derivative of functions
		Derivative of logarithmic
		Derivative of exponential
		Examples
SUNDAY - 20.12.2020		

6	December (21-24) (26)	Derivative of inverse trigonometric function
		Examples
		Examples
		Class discussion
HOLIDAY - 25.12.2020 (Christmas)		
SUNDAY - 27.12.2020		
7	December (28-31) January (1-2)	Derivative of hyperbolic function
		Examples
		Higher order derivatives
		Examples
		Examples
SUNDAY - 03.01.2021		
8	January (4-9)	Formation of differential equation
		Degree and Order
		Examples
		Examples
SUNDAY - 10.01.2021		
9	January (11-16)	Geometrical approach of differential equation
		Examples
		class discussion
		class test
SUNDAY - 17.01.2021		
10	January (18-19) 21-23)	Differential equation of first order and first degree
		Examples
		Examples
		Class discussion
HOLIDAY - 20.01.2021 (Guru Gobind Singh Jayanti)		
SUNDAY - 24.01.2021		
11	January (25) (27-30)	Linear differential equation of higher order
		Exact Differential equation
		Examples
		Examples
HOLIDAY - 26.01.2021 (Republic Day)		
SUNDAY - 31.01.2021		

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(1st Semester)

Name of the Paper:- Logical Organization of Computers-I

Class: BCA I Year

Name of the Teachers (Section wise): Prof. ASHWANI GUPTA

WEEK	DATE	TOPICS
1	November (16-21)	
		Information Representation: Number Systems
SUNDAY - 22.11.2020		
2	November (23-28)	
		Binary Arithmetic
SUNDAY - 29.11.2020		
HOLIDAY - 30.11.2020 (Guru Nanak Dev Jayanti)		
3	December (1-5)	
		Fixed-point and Floatingpoint representation of numbers,
SUNDAY - 06.12.2020		
4	December (07-12)	
		BCD Codes, Error detecting and correcting codes
SUNDAY - 13.12.2020		
5	December (14-19)	
		Character Representation – ASCII, EBCDIC
SUNDAY - 20.12.2020		

WEEK	DATE	TOPICS
6	December (21-24) (26)	
		Digital Logic: Basic Gates – AND, OR, NOT, Universal Gates – NAND, NOR
HOLIDAY - 25.12.2020 (Christmas)		
SUNDAY - 27.12.2020		
7	December (28-31) January (1-2)	
		Other
		Gates – XOR, XNOR etc. implementations of digital circuits,
SUNDAY - 03.01.2021		
8	January (4-9)	
		Combinational Logic –
		Characteristics, Design Procedures, analysis procedures
SUNDAY - 10.01.2021		
9	January (11-16)	
		Binary Logic: Boolean Algebra, Boolean Theorems
SUNDAY - 17.01.2021		
10	January (18-19) 21-23)	
		Boolean Functions and Truth Tables,
		Canonical and Standard forms of Boolean functions,
HOLIDAY - 20.01.2021 (Guru Gobind Singh Jayanti)		
SUNDAY - 24.01.2021		
11	January (25) (27-30)	
		Simplification of Boolean Functions –
		Venn Diagram, Karnaugh Maps.
HOLIDAY - 26.01.2021 (Republic Day)		
SUNDAY - 31.01.2021		

WEEK	DATE	TOPICS
12	February (01-06)	
		Combinational Circuits: Half-Adder, Full-Adder, Half-Subtractor, Full-Subtractor
SUNDAY - 07.02.2021		
13	February (08-13)	
		Encoders, Decoders, Multiplexers, Demultiplexers
SUNDAY - 14.02.2021		
14	February (15 - 20)	
		Comparators, Code Converters.

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Name of the Paper:- COMMUNICATIVE ENGLISH Class: BCA I Year

Name of the Teachers (Section wise): Prof. REKHA SHARMA

WEEK	DATE	TOPICS
1	November (16-21)	tenses
		continue
		continue
SUNDAY - 22.11.2020		
2	November (23-28)	articles
		voices
		voices
SUNDAY - 29.11.2020		
HOLIDAY - 30.11.2020 (Guru Nanak Dev Jayanti)		
3	December (1-5)	narrations
		continue
		continue
SUNDAY - 06.12.2020		
4	December (07-12)	tag questions
		comperative and superlative degrees
		paragraph writing
SUNDAY - 13.12.2020		
5	December (14-19)	prepositions
		faxes , email
		text message composing
SUNDAY - 20.12.2020		

6	December (21-24) (26)	official letters
		applications
		english in situations
HOLIDAY - 25.12.2020 (Christmas)		
SUNDAY - 27.12.2020		
7	December (28-31) January (1-2)	continue
		continue
		right to information act2005
SUNDAY - 03.01.2021		
8	January (4-9)	obligations and functioning of pio,s
		information which can not be disclosed
		state information commission
SUNDAY - 10.01.2021		
9	January (11-16)	terms and conditions of members in state information commissic
		central information commission
		start with reference to the context
SUNDAY - 17.01.2021		
10	January (18-19) 21-23)	continue
		test
		chapter text reading
HOLIDAY - 20.01.2021 (Guru Gobind Singh Jayanti)		
SUNDAY - 24.01.2021		
11	January (25) (27-30)	questions
		revision
		test
HOLIDAY - 26.01.2021 (Republic Day)		
SUNDAY - 31.01.2021		

12	February (01-06)	reference to the context
		text reading and explanation
		test
SUNDAY - 07.02.2021		
13	February (08-13)	text reading and explanation
		continue
		test
SUNDAY - 14.02.2021		
14	February (15 - 20)	text reading and explanation
		text reading and explanation
		revision

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Name of the Paper:- PROGRAMMING IN 'C'

Class: BCA I Year

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

WEEK	DATE	TOPICS
1	November (16-21)	TIME-TABLE DISPLAY & DISCUSSION
		DISCUSSION OF SYLLABUS
		Overview of C: History of C
		Importance of C
		Structure of a C Program
		CONTINUE
SUNDAY - 22.11.2020		
2	November (23-28)	PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
		Elements of C: C character set, identifiers and keywords
		Data types, Constants and Variables, Assignment statement, Symbolic constant
		CONTINUE
		Input/output: Unformatted & formatted I/O function in C
SUNDAY - 29.11.2020		
HOLIDAY - 30.11.2020 (Guru Nanak Dev Jayanti)		
3	December (1-5)	CONTINUE
		Input/output: Unformatted & formatted I/O function in C
		CONTINUE
		Input functions (scanf(), getch(), getche(), getchar(), gets()), Output functions (printf(), putchar(), puts()).
		CONTINUE
SUNDAY - 06.12.2020		
4	December (07-12)	CONTINUE
		CONTINUE
		PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
		Operators & Expression: Arithmetic, relational, logical, bitwise, unary, assignment, conditional
		operators and special operators
SUNDAY - 13.12.2020		
5	December (14-19)	CONTINUE
		CONTINUE
		PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
		CLASS TEST (UNFORMATTED & FORMATTED I/O)
		Arithmetic expressions, evaluation of arithmetic expression, type casting and conversion, operator hierarchy & associativity
SUNDAY - 20.12.2020		

6	December (21-24) (26)	CONTINUE
		Decision making & branching: Decision making with IF statement, IF-ELSE statement
		CONTINUE
		PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
HOLIDAY - 25.12.2020 (Christmas)		
SUNDAY - 27.12.2020		
7	December (28-31) January (1-2)	Nested IF statement, ELSE-IF ladder
		PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
		First Assignment (Operators, Structure of C Program)
		switch statement, PROGRAMMING EXAMPLE
		REVISION
SUNDAY - 03.01.2021		
8	January (4-9)	CONDITIONAL TEST (OPERATOR AND DATA TYPE)
		goto statement, PROGRAMMING EXAMPLES
		CONTINUE
		PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
		Decision making & looping: For
SUNDAY - 10.01.2021		
9	January (11-16)	CONTINUE
		PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
		while, and do-while loop
		PROGRAMMING EXAMPLES
		PROGRAMMING EXAMPLES
SUNDAY - 17.01.2021		
10	January (18-19) 21-23)	PROGRAMMING EXAMPLES
		CONDITIONAL TEST (CONTROL STRUCTURE)
		PROGRAMMING EXAMPLES
		umps in loops, break, continue
		statement
HOLIDAY - 20.01.2021 (Guru Gobind Singh Jayanti)		
SUNDAY - 24.01.2021		
11	January (25) (27-30)	CONTINUE
		PROGRAMMING EXAMPLES
		Functions
		PROGRAMMING EXAMPLE
		PROGRAMMING EXAMPLE
HOLIDAY - 26.01.2021 (Republic Day)		
SUNDAY - 31.01.2021		

12	February (01-06)	PASSING PARAMETERS
		PROGRAMMING EXAMPLE
		PROGRAMMING EXAMPLE
		RECURSION
		PROGRAMMING EXAMPLE
		HOW TO CREATE HEADER FILE
SUNDAY - 07.02.2021		
13	February (08-13)	CONTINUE
		PROGRAMMING EXAMPLE
		PROGRAMMING EXAMPLE
		PROGRAMMING EXAMPLE
		Arrays: Definition, types, initialization, processing an array
		PROGRAMMING EXAMPLE
SUNDAY - 14.02.2021		
14	February (15 - 20)	PROGRAMMING EXAMPLE
		passing arrays to
		functions, Strings & arrays.
		PROGRAMMING EXAMPLE
		PROGRAMMING EXAMPLE
		REVISION