

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:- Elements of mathematical foundation

Class: BCA I SEM-II

Name of the Teachers (Section wise): Prof Bhawna

WEEK	DATE	TOPICS
1	April (11-16)	logical statement and truth tables, symbolic notation of statement
		logical connectives
		conjunction and example
		disjunction , negation, questions
		conditional statement
<b>HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)</b>		
<b>SUNDAY - 17.04.2022</b>		
2	April (18-23)	biconditional statement and example
		tautologies and questions
		laws of logic
		revision
		principle of mathematical induction
		example
<b>SUNDAY - 24.04.2022</b>		
3	April (25-30)	example
		questions
		revision
		test
		groups , algebraic structure, semigroup
		example
<b>SUNDAY - 01.05.2021</b>		
4	May (2, 4-7)	subgroup of a group
		theorem
		intersection of subgroup and example
		cosets, normal subgroup, quotient group
		homomorphism and isomorphism
<b>HOLIDAY</b>		
<b>SUNDAY - 08.05.2022</b>		
5	May (9-14)	example
		example
		revision
		test
		rings and its types
		example
integral domain and example		
<b>SUNDAY - 15.05.2022</b>		

6	May (16-21)	characteristics of a ring and subring
		ideals and its examples
		principal ideal and questions
		nilpotent and nil ideals
		questions
revision		
<b>SUNDAY-22.05.2022</b>		
7	May (23-28)	test
		matrices and its types
		example
		multiplication of matrices
		questions and determinants
adjoint and inverse of a matrix		
<b>SUNDAY -29.05.2022</b>		
8	May (30-31) June (1, 3-4)	hermitian and skew hermitian matrix
		definition of rank of a matrix and questions
		elementary operation
		example
		questions
<b>HOLIDAY</b>		
<b>SUNDAY - 05.06.2022</b>		
9	June (6-11)	row rank and column rank of a matrix
		canonical form
		rank of the product of two matrices
		example and questions
		inverse of a matrix and its questions
revision		
<b>SUNDAY - 12.06.2022</b>		
10	June (13, 15-18)	solution of linear non homogeneous equation
		example
		example
		questions
		revision
<b>HOLIDAY -14.06.2022 (Sant Kabir Jayanti)</b>		
<b>SUNDAY - 19.06.2022</b>		
11	June (20-25)	system of linear homogeneous equation using rank of a matrix
		example
		example
		questions
		revision
test		
<b>SUNDAY - 26.06.2022</b>		

12	June (27-30)	derivation of characteristics matrix
		example
	July (1-2)	characteristics vector
		theorem
		example
scalar polynomial and matrix polynomial		
<b>SUNDAY - 03.07.2022</b>		
13	July (4-9)	Cayley-Hamilton theorem
		diagonalization of a square matrix
		example
		example
		questions
scalar matrix polynomial		
<b>SUNDAY-10.07.2022</b>		
14	July (11-16)	theorem
		example
		example
		questions
		revision
		test
<b>SUNDAY - 17.07.2022</b>		
15	July (18-19)	revision
		revision
<b>20.07.2022 - EXAMINATION ONWARDS</b>		

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

Weekly Lesson Plan (Even Semester)

Name of the Paper: Logical Organization of Computers-II      Class: BCA-I(2nd sem)

Name of the Teachers (Section wise): Ashwani Gupta

WEEK	DATE	TOPICS
1	April (11-16)	Memory Parameters, Semiconductor RAM, ROM
		Magnetic and Optical
		Storage devices, Flash memory
		I/O Devices and their controllers.
		Types of I/O Devices
HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)		
SUNDAY - 17.04.2022		
2	April (18-23)	Memory Parameters, Semiconductor RAM, ROM
		Magnetic and Optical
		Storage devices, Flash memory
		I/O Devices and their controllers.
		Types of I/O Devices
SUNDAY - 24.04.2022		
3	April (25-30)	Sequential Logic: Characteristics, Flip-Flops, Clocked RS,
SUNDAY - 01.05.2021		
4	May (2, 4-7)	D type, JK, T type and Master-Slave flipflops.
HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)		
SUNDAY - 08.05.2022		
5	May (9-14)	D type, JK, T type and Master-Slave flipflops.
SUNDAY - 15.05.2022		

6	May (16-21)	
		State table, state diagram and state equations.
		Flip-flop excitation tables
<b>SUNDAY - 22.05.2022</b>		
7	May (23-28)	
		State table, state diagram and state equations.
		Flip-flop excitation tables
<b>SUNDAY -29.05.2022</b>		
8	May (30-31) June (1, 3-4)	Sequential Circuits: Designing registers – Serial Input Serial Output (SISO), Serial Input Parallel
		Output (SIPO), Parallel Input Serial Output (PISO), Parallel Input Parallel Output (PIPO) and shift registers
<b>HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)</b>		
<b>SUNDAY - 05.06.2022</b>		
9	June (6-11)	
		Designing counters – Asynchronous and Synchronous Binary Counters, Modulo-N
		Counters and Up-Down Counters
<b>SUNDAY - 12.06.2022</b>		
10	June (13, 15-18)	
		Machine instruction, Instruction set selection,
		Instruction cycle
<b>HOLIDAY -14.06.2022 (Sant Kabir Jayanti)</b>		
<b>SUNDAY - 19.06.2022</b>		
11	June (20-25)	
		Instruction Format and Addressing Modes. I/O Interface, Interrupt structure
<b>SUNDAY - 26.06.2022</b>		

12	June (27-30)	Program-Controlled,
		Interrupt-controlled & DMA transfer, I/O Channels, IOP.
	July (1-2)	
<b>SUNDAY - 03.07.2022</b>		
13	July (4-9)	Program-Controlled,
		Interrupt-controlled & DMA transfer, I/O Channels, IOP.
<b>SUNDAY &amp; HOLIDAY ( Id-ul-Zuha (Bakr-Id) - 10.07.2022</b>		
14	July (11-16)	
		Revision and Test
<b>SUNDAY - 17.07.2022</b>		
15	July (18-19)	Doubt Session
		Doubt Session
<b>20.07.2022 - EXAMINATION ONWARDS</b>		

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**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)

&amp;

PG ( 2nd / 4th)

Name of the Paper:-\_OAT

Class: \_BCA-I (2nd Sem)

Name of the Teachers (Section wise): \_Mohit Dhiman

WEEK	DATE	TOPICS
1	April (11-16)	Desktop Publishing: Concept, Need and applicatons,
		Hardware and Software requirement for DTP,
		continue..
		An overview and comparision between DTP packages, continue..
<b>HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)</b>		
<b>SUNDAY - 17.04.2022</b>		
2	April (18-23)	common features of DTP, continue..
		Introduction to page maker : features, system requirements, continue..
		components of page maker windows
<b>SUNDAY - 24.04.2022</b>		
3	April (25-30)	continue..
		introduction to menu and toolbars, continue..
		pagemaker preferences
		Revise
		Creating of publications : Starting PageMaker,
<b>SUNDAY - 01.05.2021</b>		
4	May (2, 4-7)	and Setting Page size, Placing the text formatting the text, continue..
		Character specification paragraph setting:paragraph specification continue..
<b>HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)</b>		
<b>SUNDAY - 08.05.2022</b>		
5	May (9-14)	paragraph rules, continue..
		spacing
		indent/Tabs,
		Define Styles, continue..
<b>SUNDAY - 15.05.2022</b>		

6	May (16-21)	continue..
		Hyphenation,
		Header & Footer, Page numbering,
		continue..
		Saving and closing publication.
Revise		
<b>SUNDAY - 22.05.2022</b>		
7	May (23-28)	Editing Publication : open a publication, story editor,
		Find and change the text,
		change character and paragraph attributes,
		continue..
		spell checking, selecting text,
continue..		
<b>SUNDAY -29.05.2022</b>		
8	May (30-31) June (1, 3-4)	cut, copy, paste, Paste multiple, working with columns.
		continue..
		Revise
		Word Processing : Introduction to office Automation,
		continue..
<b>HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)</b>		
<b>SUNDAY - 05.06.2022</b>		
9	June (6-11)	Creating & Editing Document,
		continue..
		Formatting document, Auto-text,
		Autocorrect, Spelling and Grammar Tool,
		Document Dictionary,
Page Formatting,		
<b>SUNDAY - 12.06.2022</b>		
10	June (13, 15-18)	continue..
		Bookmark,
		Advance Features of word-Mail Merge,
		Macros,Tables,
		continue..
<b>HOLIDAY -14.06.2022 (Sant Kabir Jayanti)</b>		
<b>SUNDAY - 19.06.2022</b>		
11	June (20-25)	File Management, printing,
		Styles linking and embedding object.
		continue..
		Revise
		Presentation using PowerPoint : Presentations,
Creating,		
<b>SUNDAY - 26.06.2022</b>		



12	June (27-30)	Manipulating & Enhancing Slides,
		Organization Charts,
	July (1-2)	Excel Charts,
		continue..
		continue..
Revise		
<b>SUNDAY - 03.07.2022</b>		
13	July (4-9)	
		Word art,
		continue..
		Layering art Objects,
		Animations and Sounds,
continue..		
<b>SUNDAY &amp; HOLIDAY ( Id-ul-Zuha (Bakr-Id) - 10.07.2022</b>		
14	July (11-16)	Inserting Animated Pictures or Accesssing through Object,
		continue..
		continue..
		Revise
		Inserting recorded sounds effect or In-Built Sound Effect
continue..		
<b>SUNDAY - 17.07.2022</b>		
15	July (18-19)	continue..
		Revise
<b>20.07.2022 - EXAMINATION ONWARDS</b>		

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

Weekly Lesson Plan (Even Semester)

Name of Paper : Personality development

Class: BCA I (2nd sem)

Name of Teacher : SUMAN MALIK

WEEK	DATE	TOPICS
1	April (11-16)	Introduction of syllabus
		Personality and self concept
		Elements of personality
		Determinants of personality
		Causes of deranged personality
<b>HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)</b>		
<b>SUNDAY - 17.04.2022</b>		
2	April (18-23)	Personality Analysis
		Grooming
		Personal hygiene
		Body Language use and misuse
		Test
		Art of good conversation
<b>SUNDAY - 24.04.2022</b>		
3	April (25-30)	Art of Intelligent Listening
		Test
		test
		Interpersonal Skills and Role playing
		Interpersonal Skills and Role playing
		Interpersonal Skills and Role playing
<b>SUNDAY - 01.05.2021</b>		
4	May (2, 4-7)	test
		Group discussion and presentation Skills
		Group discussion and presentation Skills
		Group discussion and presentation Skills
		Test
<b>HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)</b>		
<b>SUNDAY - 08.05.2022</b>		
5	May (9-14)	Test
		Interview preparation
		Interview preparation
		Interview preparation
		Mental frame during
		Panel addressing
<b>SUNDAY - 15.05.2022</b>		

6	May (16-21)	Panel addressing
		Test
		Job application letter
		Main types of job application letters
		Proper documentation
		Test
<b>SUNDAY - 22.05.2022</b>		
7	May (23-28)	Essential Features of job application
		Essential Features of job application
		Test
		Test
		Important Interview questions
		Test
<b>SUNDAY - 29.05.2022</b>		
8	May (30-31) June (1, 3-4)	Training presentation
		Training presentation
		Test
		Seminar skills
		Introduction
<b>HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)</b>		
<b>SUNDAY - 05.06.2022</b>		
9	June (6-11)	Test
		What is a resume
		contents to be included in a Resume
		contents to be included in a Resume
		Test
		Correct grammar punctuation and spelling
<b>SUNDAY - 12.06.2022</b>		
10	June (13, 15-18)	Correct grammar punctuation and spelling
		Test
		Photograph
		Signature
		Test
<b>HOLIDAY - 14.06.2022 (Sant Kabir Jayanti)</b>		
<b>SUNDAY - 19.06.2022</b>		
11	June (20-25)	Discussion
		Discuss of Grooming and dress code
		Questions
		Questions
		Types of Interview
		Discussion
<b>SUNDAY - 26.06.2022</b>		

12	June (27-30)	Discussion
		Styles of. interviewing
	July (1-2)	Styles of. interviewing
		Styles of. interviewing
		Questions discuss
		Questions discuss
<b>SUNDAY - 03.07.2022</b>		
13	July (4-9)	Test
		Test
		Revision
		Revision
		Revision
		Revision
<b>SUNDAY &amp; HOLIDAY ( Id-ul-Zuha (Bakr-Id) - 10.07.2022</b>		
14	July (11-16)	Revision
		Revision
		Revision
		Revision
		Revision
		Revision
<b>SUNDAY - 17.07.2022</b>		
15	July (18-19)	Revision
		Revision
<b>20.07.2022 - EXAMINATION ONWARDS</b>		

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SESSION 2021-2022 (11.04.2022 to 19.07.2022)

Weekly Lesson Plan (Even Semester)

UG ( 2nd / 4th / 6th Semester)

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PG ( 2nd / 4th)

Name of the Paper:-\_SAD

Class: \_BCA-I (2nd Sem)

Name of the Teachers (Section wise): \_Mohit Dhiman

WEEK	DATE	TOPICS
1	April (11-16)	System Concept : Defination,
		Characteristics, Elements of system,
		Physical and abstract system,
		continue...
		open and closed system,
<b>HOLIDAY - 14th APRIL (Dr. B.R. Ambedkar Jayanti /Mahavir Jayanti)</b>		
<b>SUNDAY - 17.04.2022</b>		
2	April (18-23)	man-made information systems.
		continue...
		SDLC: various phases of system development,
		continue...
		continue...
		Consideration of system planningand controls for system success
<b>SUNDAY - 24.04.2022</b>		
3	April (25-30)	continue...
		Role of system analyst.
		Revise
		System Planning:Bases for planning in system analysis,
		Dimensions of planning.
		continue...
<b>SUNDAY - 01.05.2021</b>		
4	May (2, 4-7)	Initial Investigation :Determining user's requirement
		and analysis,
		continue...
		fact finding process and techniques.
		continue...
<b>HOLIDAY - 3rd May (Id-ul-Fitr / Parshuram Jayanti)</b>		
<b>SUNDAY - 08.05.2022</b>		
5	May (9-14)	continue...
		Tools and structure Analysis : Data Flow diagram,
		continue...
		continue...
		data dictionary,
		continue...
<b>SUNDAY - 15.05.2022</b>		

6	May (16-21)	IPO charts and HIPO charts,
		continue...
		continue...
		Revise
		Revise
Grantt charts,		
<b>SUNDAY - 22.05.2022</b>		
7	May (23-28)	pseudo codes,
		continue...
		Flow charts,
		decision tree,
		continue...
Revise		
<b>SUNDAY -29.05.2022</b>		
8	May (30-31) June (1, 3-4)	decision tables
		continue...
		continue...
		Feasibility study : Technical,
		continue...
<b>HOLIDAY - 02.06.2022 (Maharana Pratap Jayanti)</b>		
<b>SUNDAY - 05.06.2022</b>		
9	June (6-11)	Operational,
		Economic feasibilities.
		continue...
		Cost/Benefit Analysis : Data analysis cost
		and benefits analysis of a system,
continue...		
<b>SUNDAY - 12.06.2022</b>		
10	June (13, 15-18)	continue...
		Revise
		input/output and form design,
		continue...
		file organization and database design : introduction of file
<b>HOLIDAY -14.06.2022 (Sant Kabir Jayanti)</b>		
<b>SUNDAY - 19.06.2022</b>		
11	June (20-25)	and database,
		continue...
		file structure and organization
		continue...
		continue...
continue...		
<b>SUNDAY - 26.06.2022</b>		

12	June (27-30)	objective of database design
		continue...
	July (1-2)	logical view of data, physical view of data.
		Revise
		System testing : Introduction,
<b>SUNDAY - 03.07.2022</b>		
13	July (4-9)	objectives of testing,
		continue...
		test planning, continue...
		testing techniques.
		Quality assurance : goal of quality assurance,
<b>SUNDAY &amp; HOLIDAY ( Id-ul-Zuha (Bakr-Id) - 10.07.2022</b>		
14	July (11-16)	levels of quality assurance
		continue...
		System implementation and software maintenance: primary activities in maintenance,
		continue...
		reducing maintenance costs.
<b>SUNDAY - 17.07.2022</b>		
15	July (18-19)	continue...
		Revise
<b>20.07.2022 - EXAMINATION ONWARDS</b>		