

Lesson Plan

Subject- Computer and Programming Fundamentals

Lesson Plan- 17 Weeks (July – Nov 2019)

Week	Date	BCA-I BCA-111
1	16- July-2019	-
	17- July-2019	-
	18- July-2019	Computer Fundamentals: Definition
	19- July-2019	Block Diagram along with its components
	20- July-2019	Characteristics & classification of computers
	21- July-2019	Sunday
2	22- July-2019	-
	23- July-2019	-
	24- July-2019	-
	25- July-2019	Applications of computers in various fields.
	26- July-2019	Memory: Concept of primary & secondary memory, RAM,
	27- July-2019	ROM, types of ROM, flash memory,
	28- July-2019	Sunday
3	29- July-2019	-
	30- July-2019	-
	31- July-2019	Holiday
	1- Aug- 2019	Secondary storage devices: Sequential & direct access devices viz. magnetic tape,
	2- Aug- 2019	Magnetic disk.
	3- Aug- 2019	CD, DVD
	4- Aug- 2019	Sunday
4	5- Aug- 2019	-
	6- Aug- 2019	-
	7- Aug- 2019	-
	8- Aug- 2019	Computer hardware & software: relationship between hardware and software
	9- Aug- 2019	types of software, Operating system: Definition,
	10- Aug- 2019	functions of operating system, single-user & multi-user operating system
	11- Aug- 2019	Sunday
5	12- Aug- 2019	Holiday
	13- Aug- 2019	-
	14- Aug- 2019	-
	15- Aug- 2019	Holiday
	16- Aug- 2019	multiprogramming, multitasking,
	17- Aug- 2019	multithreading, multiprocessing,
	18- Aug- 2019	Sunday
6	19- Aug- 2019	-
	20- Aug- 2019	-
	21- Aug- 2019	-
	22- Aug- 2019	time-sharing, real time,
	23- Aug- 2019	Problem Solving: Flowcharting,
	24- Aug- 2019	Algorithms, Pseudo Code

	25- Aug- 2019	Sunday
7	26- Aug- 2019	-
	27- Aug- 2019	-
	28- Aug- 2019	-
	29- Aug- 2019	Computer Languages: Analogy with natural language,
	30- Aug- 2019	machine language
	31- Aug- 2019	assembly language
	1- Sept- 2019	Sunday
8	2- Sept- 2019	-
	3- Sept- 2019	-
	4- Sept- 2019	-
	5- Sept- 2019	high-level language, language translators,
	6- Sept- 2019	Characteristics of a good programming language.
	7- Sept- 2019	assignment
	8- Sept- 2019	Sunday
9	9- Sept- 2019	-
	10- Sept- 2019	-
	11- Sept- 2019	-
	12- Sept- 2019	Searching, Sorting, and Merging: Linear search
	13- Sept- 2019	Binary Searching
	14- Sept- 2019	Bubble sort
	15- Sept- 2019	Sunday
10	16- Sept- 2019	-
	17- Sept- 2019	-
	18- Sept- 2019	-
	19- Sept- 2019	Selection sort
	20- Sept- 2019	Insertion Sorting
	21- Sept- 2019	Merging
	22- Sept- 2019	Sunday
11	23- Sept- 2019	Holiday
	24- Sept- 2019	-
	25- Sept - 2019	-
	26- Sept - 2019	decision table
	27- Sept - 2019	Structured programming concepts
	28- Sept - 2019	Programming methodologies viz. top-down and bottom-up programming.
	29- Sept - 2019	Sunday
12	30- Sept - 2019	-
	1- Oct- 2019	-
	2- Oct- 2019	Holiday
	3- Oct- 2019	Computer Virus, WORMS, Trojan
	4- Oct- 2019	Planning the Computer Program: Concept of problem solving,
	5- Oct- 2019	Problem definition
	6- Oct- 2019	Sunday
13	7- Oct- 2019	-
	8- Oct- 2019	Holiday
	9- Oct- 2019	-
	10- Oct- 2019	Holiday
	11- Oct- 2019	Program design

	12- Oct- 2019	Debugging
	13- Oct- 2019	Sunday
14	14- Oct- 2019	-
	15- Oct- 2019	-
	16- Oct- 2019	-
	17- Oct- 2019	Holiday
	18- Oct- 2019	sessional
	19- Oct- 2019	Types of errors in programming
	20- Oct- 2019	Sunday
	15	21- Oct- 2019
22- Oct- 2019		-
23- Oct- 2019		-
24- Oct- 2019		
25- Oct- 2019		
26- Oct- 2019		
27- Oct- 2019		Diwali Break
28- Oct- 2019		
16	29- Oct- 2019	
	30- Oct- 2019	Documentation
	31- Oct- 2019	I/O devices
	1- Nov- 2019	Holiday
	2- Nov- 2019	Holiday
	3- Nov- 2019	Sunday
	4- Nov- 2019	-
17	5- Nov- 2019	-
	6- Nov- 2019	-
	7- Nov- 2019	Discussion over Previous Year papers
	8- Nov- 2019	Discussion over Previous Year papers
	9- Nov- 2019	Revision
	10- Nov- 2019	Sunday