

## Lesson Plan

**Subject-** Computer Science and Applications

**Lesson Plan-** 17 Weeks (July – Nov 2019)

Week	Date	BVSD-11 Computer Fundamentals
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
	25- Aug- 2019	Sunday
7	26- Aug- 2019	-
	27- Aug- 2019	-
	28- Aug- 2019	-
	29- Aug- 2019	Pseudo code,
	30- Aug- 2019	Computer Languages: Analogy with natural language,
	31- Aug- 2019	machine language
	1- Sept- 2019	Sunday
8	2- Sept- 2019	-
	3- Sept- 2019	-
	4- Sept- 2019	-
	5- Sept- 2019	Assembly language
	6- Sept- 2019	High-level language, language translators,
	7- Sept- 2019	Characteristics of a good programming language.
	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, Insertion Sorting
	20- Sept- 2019	Merging
	21- Sept- 2019	decision table
	22- Sept- 2019	Sunday
11	23- Sept- 2019	Holiday
	24- Sept- 2019	-
	25- Sept - 2019	-
	26- Sept - 2019	Sessional
	27- Sept - 2019	Structured programming concepts
	28- Sept - 2019	Revision
	29- Sept - 2019	Sunday
12	30- Sept - 2019	-
	1- Oct- 2019	-
	2- Oct- 2019	Holiday
	3- Oct- 2019	Programming methodologies viz. top-down and bottom-up programming.
	4- Oct- 2019	Computer Virus, WORMS, Trojan
	5- Oct- 2019	Planning the Computer Program: Concept of problem solving,
	6- Oct- 2019	Sunday
	7- Oct- 2019	-
	8- Oct- 2019	Holiday
	9- Oct- 2019	-
	10- Oct- 2019	Holiday

13	11- Oct- 2019	Problem definition
	12- Oct- 2019	Program design
	13- Oct- 2019	Sunday
14	14- Oct- 2019	-
	15- Oct- 2019	-
	16- Oct- 2019	-
	17- Oct- 2019	Holiday
	18- Oct- 2019	Debugging
	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	Documentation
	25- Oct- 2019	Diwali Break
	26- Oct- 2019	
	27- Oct- 2019	
28- Oct- 2019		
16	29- Oct- 2019	
	30- Oct- 2019	I/O devices
	31- Oct- 2019	Revision Test
	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