

Lesson Plan

Name of the Faculty : Dr. Surender Kumar

Discipline : Computer Engg.

Semester : 6th

Subject : Computer Fundamentals & Information Technology

Lesson Plan Duration : 35 Weeks (From 30-07- 2018 to 30-04-2019)

Work Load (Lecture/Practical) per week (In Hours): Lectures-03, Practicals-Nil

Week	Theory		Practical	
	Lecture Day	Topic(Including assignment/test)	Practical Day	Topic
1st	1 st	Draw the block diagram of a Computer		
	2 nd	Explain the interaction between the CPU, Memory Input /Output devices		
	3 rd	Describe the function of CPU and major functional parts of CPU		
2 nd	1 st	Describe the function of memory		
	2 nd	Describe the function of input/output devices		
	3 rd	State the relevance of speed and word length for CPU Performance		
3 rd	1 st	Recognize the current family of CPUs used in Computers		
	2 nd	State the use of storage devices used in a Computer		
	3 rd	List types of memory used in a Computer		
4 th	1 st	State the importance of cache memory		
	2 nd	Generations of computers.		
	3 rd	Classification of computers –based on size, processor		
5 th	1 st	Know importance of binary number system for use in Digital Computers		
	2 nd	List the various number systems used in digital Computer		
	3 rd	Convert decimal number into binary number.		

6 th	1 st	Convert binary number into decimal number		
	2 nd	Convert binary number into hexadecimal number		
	3 rd	Convert hexadecimal number into binary number		
7 th	1 st	Understand the ASCII coding scheme.		
	2 nd	Understand the EBCDIC coding scheme		
	3 rd	Revision		
8 th	1 st	Describe the need for an operating system		
	2 nd	List the various operating system used presently		
	3 rd	DOS Prompt, Types of Commands, Internal & External Commands		
9 th	1 st	DOS Prompt, Types of Commands, Internal & External Commands		
	2 nd	Directories and files , wild cards, autoexec.bat, config.sys		
	3 rd	Directories and files , wild cards, autoexec.bat, config.sys		
10 th	1 st	List the features of Window desktop		
	2 nd	List the features of Window desktop		
	3 rd	List the components of Window		
11 th	1 st	List the components of Window		
	2 nd	List the components of Window		
	3 rd	State the function of each component of Window		
12 th	1 st	State the function of each component of Window		
	2 nd	State the function of each component of Window		
	3 rd	State the function of each component of Window		
13 th	1 st	Explain the method of starting a program using start button		
	2 nd	Understand maximize, minimize, restore down and close button		
	3 rd	State the meaning of a file		
14 th	1 st	State the meaning of a folder		

	2 nd	Explain the method of viewing the contents of hard disk drive using explore option		
	3 rd	Explain the method of viewing the contents of hard disk drive using explore option		
15 th	1 st	Explain the method of finding a file using search option		
	2 nd	Explain the method of finding a file using search option		
	3 rd	Explain formatting a floppy disk using explore option		
16 th	1 st	Explain formatting a floppy disk using explore option		
	2 nd	Describe installing new software using control panel		
	3 rd	Describe installing new software using control panel		
17 th	1 st	Describe uninstalling software using control panel		
	2 nd	Describe uninstalling software using control panel		
	3 rd	Revision		
18 th	1 st	Explain installing a new hardware using control panel		
	2 nd	Explain installing a new hardware using control panel		
	3 rd	Revision		
19 th	1 st	Explain uninstalling a hardware using control panel		
	2 nd	Explain uninstalling a hardware using control panel		
	3 rd	Narrate finding out drive space using system tool option of accessories group		
20 th	1 st	Explain the procedure of disk defragmentation using system tool		
	2 nd	Explain the procedure of disk defragmentation using system tool		
	3 rd	Narrate installing a Printer using control panel		

21 th	1 st	Explain the procedure for changing resolution, colour, appearances, and screensaver option of the display		
	2 nd	Narrate the process of changing the system date and time		
	3 rd	Explain meaning of a computer network		
22 th	1 st	Describe the concept of a local area network		
	2 nd	Describe the concept of a local area network		
	3 rd	Explain the concept of wide area network		
23 th	1 st	Explain the concept of wide area network		
	2 nd	Compare internet & intranet		
	3 rd	Revision		
24 th	1 st	Describe the relevance of an internet service provider		
	2 nd	Explain the role of the modem in accessing the internet		
	3 rd	Revision		
25 th	1 st	Explain the installation procedure of a modem using control panel		
	2 nd	Explain the purpose of web browser software		
	3 rd	Revision		
26 th	1 st	Explain the structure of a Universal Resources Locator(URL)		
	2 nd	Explain the structure of a Universal Resources Locator(URL)		
	3 rd	Describe the purpose of World Wide Web, FTP, telnet and E-mail		
27 th	1 st	Describe the purpose of World Wide Web, FTP, telnet and E-mail		
	2 nd	Explain the process of sending and receiving e-mail		
	3 rd	Understand different connection methods		
28 th	1 st	Understand different connection methods		
	2 nd	Describe address format and IP address		
	3 rd	Describe address format and IP address		

29 th	1 st	Describe DNS		
	2 nd	Describe the role of search engines with examples		
	3 rd	Differences between search engines and directory.		
30 th	1 st	Know about social network sites		
	2 nd	Understand internet security		
	3 rd	Understand internet security		
31 th	1 st	State the different steps involved in problem solving		
	2 nd	State the different steps involved in problem solving		
	3 rd	State the steps involved in algorithm development		
32 th	1 st	Differentiate algorithm and flowchart		
	2 nd	Differentiate algorithm and flowchart		
	3 rd	Develop algorithms for simple problems		
33 th	1 st	Develop algorithms for simple problems		
	2 nd	Develop algorithms for simple problems		
	3 rd	Develop algorithms for simple problems		
34 th	1 st	Develop algorithms for simple problems		
	2 nd	Draw the symbols used in flowcharts		
	3 rd	Draw the symbols used in flowcharts		
35 th	1 st	Draw flowcharts for simple problems		
	2 nd	Draw flowcharts for simple problems		
	3 rd	Draw flowcharts for simple problems		