

Lesson Plan

Name of faculty : Sh. Deepak Rohilla, Sh. Ajay Singh

Discipline : Computer Engg.,

Semester : 1st year

Subject : Computer Fundamentals

Lesson Plan Duration : 15 Weeks

Work Load (Lecture/ Practical) per week (in hours): Lectures-03 Practical- 0

| Week | Theory | | Practical | |
|-----------------|------------------|---|---------------|-------|
| | Lecture day | Topic (including assignment / test) | Practical day | Topic |
| 1st | 1st | Unit - 1 1.1 Draw the block diagram of a Computer | | |
| | 2nd | 1.2. Explain the interaction between the CPU, Memory Input/ Output devices. | | |
| | 3rd | 1.3. Describe the function of CPU and major functional parts of CPU. | | |
| 2 nd | 4 th | 1.4. Describe the function of memory. | | |
| | 5 th | 1.5 Describe the function of input/output devices. | | |
| | 6 th | 1.6 State the relevance of speed and word length for CPU Performance. | | |
| 3rd | 7 th | 1.7 Recognize the current family of CPUs used in Computers | | |
| | 8 th | 1.8 State the use of storage devices used in a Computer. | | |
| | 9 th | 1.9 List types of memory used in a Computer. | | |
| 4 th | 10 th | 1.10 State the importance of cache memory. | | |
| | 11 th | 1.11 Generations of computers. | | |
| | 12 th | 1.12 Classification of computers – based on size, processor. | | |
| 5 th | 13 th | 1.13 Know importance of binary number system for use in Digital Computers. | | |
| | 14 th | Unit - 2 2.1 Describe the need for an operating system | | |
| | 15 th | 2.2 List the various operating system used presently | | |

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| 6 th | 16 th | 2.3 DOS Prompt, Types of Commands, Internal & External Commands | | |
| | 17 th | 2.4 Directories and files , wild cards, autoexec.bat, config.sys, | | |
| | 18 th | 2.5 List the features of Window desktop | | |
| 7 th | 19 th | 2.6 List the components of Window | | |
| | 20 th | 2.7 State the function of each component of Window | | |
| | 21 st | 2.8 Explain the method of starting a program using start button | | |
| 8 th | 22 nd | 2.9 Understand maximize, minimize, restore down and close button | | |
| | 23 rd | 2.10 State the meaning of a file | | |
| | 24 th | FIRST ASSIGNMENT | | |
| 9 th | 25 th | FIRST SESSIONAL | | |
| | 26 th | FIRST SESSIONAL | | |
| | 27 th | FIRST SESSIONAL | | |
| 10 th | 28 th | 2.11 State the meaning of a folder. | | |
| | 29 th | 2.12 Explain the method of viewing the contents of hard disk drive using explore option | | |
| | 30 th | 2.13 Explain the method of finding a file using search option | | |
| 11 th | 31 st | 2.14 Explain formatting a floppy disk using explore option | | |
| | 32 nd | 2.15 Describe installing new software using control panel | | |
| | 33 rd | 2.16 Describe uninstalling software using control panel | | |
| 12 th | 34 th | 2.17 Explain installing a new hardware using control panel | | |
| | 35 th | 2.18 Explain uninstalling a hardware using control panel | | |

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| | 36 th | 2.19 Narrate finding out drive space using system tool option of accessories group | | |
| 13 th | 37 th | 2.20 Explain the procedure of disk defragmentation using system tool | | |
| | 38 th | 2.21 Narrate installing a Printer using control panel | | |
| | 39 th | 2.22 Explain the procedure for changing resolution, colour, appearances, and screensaver option of the display | | |
| 14 th | 40 th | 2.23 Narrate the process of changing the system date and time | | |
| | 41 st | Unit - 3 3.1 Explain meaning of a computer network | | |
| | 42 nd | 3.2 Describe the concept of a local area network | | |
| 15 th | 43 rd | 3.3 Explain the concept of wide area network | | |
| | 44 th | 3.4 Compare internet & intranet | | |
| | 45 th | 3.5 Describe the relevance of an internet service provider | | |
| 16 th | 46 th | 3.6 Explain the role of the modem in accessing the internet | | |
| | 47 st | 3.7 Explain the installation procedure of a modem using control panel | | |
| | 48 nd | 3.8 Explain the purpose of web browser software | | |
| 17 th | 49 rd | 3.9 Explain the structure of a Universal Resources Locator(URL) | | |
| | 50 th | 3.10 Describe the purpose of World Wide Web, FTP, telnet and E-mail | | |
| | 51 st | 3.11 Explain the process of sending and receiving e-mail | | |
| 18 th | 52 th | REVISION | | |

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| | 53 th | REVISION | | |
| | 54 th | SECOND ASSIGNMENT | | |
| 19 th | 55 th | SECOND SESSIONAL | | |
| | 56 th | SECOND SESSIONAL | | |
| | 57 th | SECOND SESSIONAL | | |
| 20 th | 58 th | 3.12 Understand different connection methods | | |
| | 59 st | 3.13 Describe address format and IP address | | |
| | 60 nd | 3.14 Describe DNS | | |
| 21 st | 61 st | 3.15 Describe the role of search engines with examples | | |
| | 62 nd | 3.16 Differences between search engines and directory. | | |
| | 63 rd | 3.17 Know about social network sites | | |
| 22 nd | 64 th | 3.18 Understand internet security | | |
| | 65 th | REVISION | | |
| | 66 th | Unit - 4 4.1. State the different steps involved in problem solving | | |
| 23 rd | 67 th | 4.2 State the steps involved in algorithm development | | |
| | 68 th | 4.3 Differentiate algorithm and flowchart | | |
| | 69 th | 4.4 Develop algorithms for simple problems | | |
| 24 th | 70 th | 4.5 Draw the symbols used in flowcharts | | |
| | 71 st | 4.6 Draw flowcharts for simple problems | | |
| | 72 nd | REVISION | | |
| 25 th | 73 rd | REVISION | | |

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| | 74 th | REVISION | | |
| | 75 th | REVISION | | |
| 26 th | 76 th | REVISION | | |
| | 77 th | THIRD ASSIGNMENT | | |
| | 78 th | REVISION | | |
| 27 th | 79 th | REVISION | | |
| | 80 th | REVISION | | |
| | 81 st | REVISION | | |
| 28 th | 82 nd | REVISION | | |
| | 83 rd | REVISION | | |
| | 84 th | REVISION | | |
| 29 th | 85 th | REVISION | | |
| | 86 th | REVISION | | |
| | 87 th | REVISION | | |
| 30 th | 88 th | REVISION | | |
| | 89 th | REVISION | | |
| | 90 th | REVISION | | |
| | 92 nd | REVISION | | |
| | 93 rd | REVISION | | |