**ECOECIS Terminal Planning**

**Khiarahani-8, Chitwan**

**Subject: Computer Science Terminal: 1st Terminal (60/2 days) Class: 7**

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| **S.no** | **Lesson** | **Objective** | **Possible Questions** |
| 1 | Understanding computer | * Providing knowledge about fundamentals of computer * Advantages and disadvantages of computer * Features of computer * Areas and importance of computer | * What is computer? * What is IPO System? * What are the basic function of computer? * What are the advantages and disadvantages of computer? * What are the importance of computer in education, business and office area? |
| 2 | Computer history | * Information about Evolution of different devices and its inventors. * The way the devices used to and will perform | * Who is known as father of computer? * What are the developments of Charles Babbage? * Who developed Napier’s Bone? * Who is known as lady programmer? * What is the name of First Computer brought in Nepal? * Name any two electro-mechanical era’s computer. |
| 3 | Generation of computer | * Information about five generations and its main features | * What are the features of 1st generation computer? Name any 4 of them. * Create a table containing generations and its main component used in it. |
| 5 | Microsoft Office Word | Installation process  File tabs, Home tabs, insert tabs, page layout tabs, Printing file |  |

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Subject Teacher Head of Secondary Level Head Teacher

**ECOECIS Terminal Planning**

**Khiarahani-8, Chitwan**

**Subject: Computer Terminal: 2nd Terminal (55/2days) Class: 7**

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| **S.no** | **UNIT** | **Lesson** | **Objective** | **Possible Questions** |
| 1 | 1 | Operating system | * Introduction to OS and its functions * Types of operating system * Difference between GUI and CUI Operating system | * What is an OS? Write its functions * What are the types of OS and describe them. * Write down the difference between CUI and GUI Operating system |
| 2 | 2 | Number system | * Conversion of binary into decimal and vice versa | Conversion |
|  | 4 | Multimedia and Its uses | * Introduction to multimedia * Elements of Multimedia * Multimedia system * Requirement for Multimedia system * Some multimedia tools | * What is multimedia? Write the elements of it. * What are use of multimedia in Education and business? * What are the advantages and disadvantages of multimedia? * What is multimedia system? * What are the requirements for multimedia system? |
| 3 | 1 | Computer Hardware and software | * About hardware and its types * About software and its types | * What is hardware? * What are the types of hardware? * Name the basic input device? * What is softcopy and hardcopy output device? * What is software? * What are the types of software? * What is System software? Name its types * What is application software? Name its types * What are the functions of operating system? Mention any 4 of them. * What is language translator? Explain its types. |
| 4 | 1 | Microsoft Excel | * Introduction to MS- Excel * Editing data * Introducing tabs present in Excel * Use of formula, chart | * What is Excel or Spreadsheet software? * Mention its features. * What is cell? * What is cell reference? * Functions of Basic formula used in Excel |

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**ECOECIS Terminal Planning**

**Khiarahani-8, Chitwan**

**Subject: Computer Terminal: 3rd Terminal (46/2 days) Class: 7**

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| **S.no** | **Lesson** | **Objective** | **Possible Questions** |
| 1 | ICT Tools and Cyber Ethics | * Introduction to ICT and Cyber ethics * Cyber crime and its example * Commandments | * Introduction to ICT and Cyber ethics * List any 5 Commandments of Computer use. * What are Cyber law and Cybercrime? * Mention any two cybercrime. |
| 2 | Computer Virus | * Introduction to virus * Types of virus * Effects of virus * Symptoms of virus * Preventive measure * Media through virus gets transferred * Introduction to antivirus * Functions of antivirus | * What is virus? * What are the symptoms of virus? * Writes its Preventive measures? * Explain the types of virus. * What is antivirus? Mention its function. * What is boot sector virus? Give an example. * What is file infecting virus? Name one. |
| 3 | Computer Network and internet | * Network definition and its advantages and importance * Types of network * Types of Topologies and its advantages and disadvantages * Introduction to internet and its keyword used in internet | * What is network? Mention its importance. * Disadvantages of computer network? * What is internet? Mention its importance and uses |
| 4 | Power Point Presentation | * Introduction to presentation software * Advantages and features of Presentation software * Tabs uses * Inserting different types of Multimedia components * Slide show, animation and transitions |  |

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Subject Teacher Head of Secondary Level Head Teacher

**ECOECIS Terminal Planning**

**Khiarahani-8, Chitwan**

**Subject: Computer Terminal: Final Terminal (47/2days) Class: 7**

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| **S.no** | **Lesson** | **Objective** | **Possible Questions** |
| 1 | Algorithm and Flowchart | * Understanding about the algorithm and creating algorithm to solve any problem * Understanding Flowchart and its shapes and to draw flowchart of an algorithm | What is algorithm? What are the character for a good algorithm?  Write an algorithm to sum two numbers.  Write an algorithm to prepare tea. |
| 2 | QBASIC programming | * Understanding Qbasic programming and its features * Understanding basic elements of it * Understanding Basic code used to input and print values | Who is the developer of Qbasic Programming language?  Write a program to sum two numbers.  Write a program to calculate area of rectangle?  Write a program to calculate area of square?  Write a program to calculate Area of right angled triangle?  Write a program to convert kg into gram. |

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Subject Teacher Head of Secondary Level Head Teacher