**ECOECIS Terminal Planning**

**Khiarahani-8, Chitwan**

**Subject: Computer Science Terminal: 1st Terminal (60 days) Class: 9**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.no** | **UNIT** | **Lesson** | **Objective** | **Possible Questions** |
| 1 |  | Computer Basic | * 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 |  | Types of computer | * On the basis of Working principle * On the basis of purpose * On the basis of size | * What is analog computer? * What is digital computer? * What is super computer? * What is microcomputer? |
| 3 |  | Computer System | * Information about different types of hardware devices * Components that creates computer system * Parts of CPU | * What is input/data? * What is the functions of ALU and CU of computer CPU? * What is processing unit? |
| 4 |  | Computer Hardware | * About hardware and its types * Different types of hardware and its functions * Devices and its sub type | What is hardware and what are the types of hardware?  What is input device? Give two examples.  What is output device? Give two examples.  What is storage device? Give two examples.  What is processing device? Give an example  Difference between SRAM and DRAM.  Difference between impact and non-impact printer.  Types of monitor as per color.  Types of monitor as per technology used |

---------------------- --------------------------------- ------------------------

Subject Teacher Head of Secondary Level Head Teacher

**ECOECIS Terminal Planning**

**Khiarahani-8, Chitwan**

**Subject: Computer Terminal: 2nd Terminal (55days) Class: 9**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.no** | **UNIT** | **Lesson** | **Objective** | **Possible Questions** |
| 1 |  | Computer Software | * Introduction of software * Type of computer software * Types of system software * Types of application software | * What is software? * Write down the types of software and explain them. * Explain the types of system software. * Explain the types of application software. |
| 2 |  | Internet technology  And CSS | * Introduction to internet * Internet terms * CSS selectors and use of common CSS code | * What is internet? Mention some uses of internet. * What is download and upload? * What is webpage? * What is website? |
| 3 |  | HTML (Web designing) | * Introduction to scripting language * Explaining the function of each tags and its attributes * Writing codes for webpage designing * Creating Form in HTML | * What is HTML? * Why HTML requires browser to be opened? * What is the function of <br>……………..</br> tag> |

---------------------- --------------------------------- ------------------------

Subject Teacher Head of Secondary Level Head Teacher

**ECOECIS Terminal Planning**

**Khiarahani-8, Chitwan**

**Subject: Computer Terminal: 3rd Terminal (46days) Class: 9**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.no** | **UNIT** | **Lesson** | **Objective** | **Possible Questions** |
| 1 |  | Algorithm and Flowchart | * Introducing algorithm and how to create them * Introducing flowchart and the different types of flowchart shapes. | * Write an algorithm to calculate area of circle * Draw a flowchart to check if the given number is even or not? * Draw flowchart and write its algorithm to calculate simple interest. |
| 2 |  | Program and Programming Language | * Programming and programming language introduction * Types of programming languages * Steps followed to create program. | * What is program? * What is programming language? * What is programming? * Write the steps of PDLC in chronological order. |
| 3 |  | Qbasic | * Introduction to Qbasic Programming * Methods and technique to code * Advantages and limitation * Simple program * Conditional statement |  |

---------------------- --------------------------------- ------------------------

Subject Teacher Head of Secondary Level Head Teacher

**ECOECIS Terminal Planning**

**Khiarahani-8, Chitwan**

**Subject: Computer Terminal: Final Terminal (47 days) Class: 9**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.no** | **UNIT** | **Lesson** | **Objective** | **Possible Questions** |
| 1 | 5 | QBASIC programming | * Understanding QBasic programming and its features * Understanding basic elements of it * Understanding Basic code used to input and print values * Understanding concept of conditional statements. * Understanding the concept of looping statement | * Who is the developer of QBASIC Programming language? * Write a program to sum two numbers. * WAP to find the average of five marks input by user. * WAP to check if the given number is even or not? * WAP to check if the given number is positive or negative. * WAP to print series. * WAP to print the pattern * WAP to reverse a number |
| 2 | 6 | Qbasic Array | * Understanding array * Writing program to store data in array * Using single dimension array to store multiple type of data * Creating single dimension array to store value and checking if the value is even or not. |  |

---------------------- --------------------------------- ------------------------

Subject Teacher Head of Secondary Level Head Teacher