**SOECIS - STE - 2082**

D-02

Time: 2 hrs.

Class: 9 F.M: 50

Subject: Computer Science

1. **Choose the correct answers from the following questions. [10×1 = 10]**
2. Which paradigm does block programming use to show how instructions can be used?

|  |  |  |
| --- | --- | --- |
| 1. Command line | ii. Binary | iii. Puzzle-piece |

1. Which number system is most commonly used in everyday life?

|  |  |  |
| --- | --- | --- |
| 1. Binary | ii. Decimal | iii. Octal |

c. Hard disk is considered as

|  |  |  |
| --- | --- | --- |
| 1. Main Storage | ii. Secondary Storage | iii. Flash storage |

d. Which type of RAM is faster and more expensive?

|  |  |  |
| --- | --- | --- |
| i. DRAM | ii. ROM | iii. SRAM |

e. What is buffering in Primary memory?

|  |  |  |
| --- | --- | --- |
| i. Holding data | ii. Data archiving | iii. Storing multiple files |

f. What is the binary equivalent of the decimal number 10?

|  |  |  |
| --- | --- | --- |
| i. 1010 | ii. 1100 | iii. 1001 |

g. Which protocols helps to transfer files between computers?

|  |  |  |
| --- | --- | --- |
| i. HTTP | ii. TCP/IP | iii. FTP |

h. Which of the following is container tag?

|  |  |  |
| --- | --- | --- |
| i. <br> | ii. <img> | iii. <p> |

i. What are sprites in Scratch?

|  |  |  |
| --- | --- | --- |
| i. Commands | ii. Characters model | iii. messages |

j. What acts as a brain of the Micro bit?

|  |  |  |
| --- | --- | --- |
| i. Microcontroller | ii. Sensor | iii. LED Matrix |

1. **Give short answer the following questions. [12×2 = 24]**
2. Write the main function of microcontroller.
3. Write the function of Primary memory.
4. Define web applications. Name any two of them.
5. What are the primary functions of input devices?
6. Define Blog. Write its types.
7. What is number system? Write the meaning of base or radix of any number system.
8. What is the function of MARQUEE tag?
9. What are the advantages of using CSS?
10. Define Block Programming.
11. What can the LED Matrix on the Micro: bit display?
12. What is octal number system? Write its base value with numbers it consists.
13. Why is computer called information processing machine?

**3. Give Long answer the following questions. [4×4 = 16]**

1. Define software. Explain Open-source and licensed software with its features.
2. Define scratch. Mention any four components of Scratch with their functions.
3. Calculate:

i. 10110+1101 ii. 100110 ÷ 100

iii. (121)10 = ( ? )2  iii. ( A0C)16 = ( ? )2

1. Write a HTML code to create a form:

My Account

Username:

Login

Password:

**The End**