* **Question 1**

10 out of 10 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
| Correct | Which number is mising from this sequence? (You will need to convert them from binary to decimal.)  0001 0010  0011  0101  0110 |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | 4 | |  |  |  |

* **Question 2**

8 out of 8 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
| Correct | True/False: A bit that is turned off is represented by the value -1. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | False | |  |  |  |

* **Question 3**

8 out of 8 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
| Correct | True/False: The instruction set for a microprocessor is unique and is typically understood only by the microprocessors of the same brand. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | True | |  |  |  |

* **Question 4**

8 out of 8 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
| Correct | True/False: The CPU understands instructions written in a binary machine language. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | True | |  |  |  |

* **Question 5**

8 out of 8 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
| Correct | True/False: A software developer is the person with the training to design, create, and test computer programs. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | True | |  |  |  |

* **Question 6**

10 out of 10 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
| Correct | The following is an example program. Answer whether it is written in a high-level language or a low-level language.    # Hello World program  def main():    print("Hello world!")   # start the program  main() |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | High level language | |  |  |  |

* **Question 7**

0 out of 8 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
| Incorrect | Which language is the following?  **01001000   01100101   01101100   01101100   01101111   00100000 01110111   01101111   01110010   01101100   01100100** |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Python | |  |  |  |

* **Question 8**

8 out of 8 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
| Correct | Which language is the following?  **< h1>Hello World!< /h1>** |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | HTML | |  |  |  |

* **Question 9**

4 out of 4 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
| Correct | What is the binary representation of the decimal number 7? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | 0111 | |  |  |  |

* **Question 10**

4 out of 4 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
| Correct | Which computer language uses short words known as mnemonics for writing programs? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Assembly | |  |  |  |

* **Question 11**

4 out of 4 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
| Correct | The smallest storage location in a computer's memory is known as a \_\_\_\_\_\_\_\_. |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | bit | |  |  |  |

* **Question 12**

4 out of 4 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
| Correct | What is the largest value that can be stored in one byte? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | 255 | |  |  |  |

* **Question 13**

0 out of 4 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
| Incorrect | Which language from the following list is referred to as a low-level language? |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Python | |  |  |  |

* **Question 14**

4 out of 4 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
| Correct | The following is an example of an instruction written in which computer language? 10110000 |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Machine language | |  |  |  |

* **Question 15**

8 out of 8 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | | | |
| Correct | Which language is the following?  **print ('Hello world')** |  |  |  |
| |  |  | | --- | --- | | Selected Answer: | Python | |  |  |  |