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| 1. The basic commands that a computer performs are input (get data), output (display result), storage, and performance of arithmetic and logical operations.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | | *POINTS:* | 1 | | *REFERENCES:* | 4 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 2. Main memory is directly connected to the CPU.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | | *POINTS:* | 1 | | *REFERENCES:* | 4 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 3. When the computer is turned off, everything in secondary memory is lost.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | | *POINTS:* | 1 | | *REFERENCES:* | 5 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 4. The devices that feed data and programs into computers are called output devices.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | | *POINTS:* | 1 | | *REFERENCES:* | 5 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 5. Information stored in main memory must be transferred to some other device for permanent storage.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | | *POINTS:* | 1 | | *REFERENCES:* | 5 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 6. The device that stores information permanently (unless the device becomes unusable or you change the information by rewriting it) is called primary storage.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | | *POINTS:* | 1 | | *REFERENCES:* | 5 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 7. The command that does the linking on Visual C++ Express (2013 or 2016) and Visual Studio 2015 is Make or Remake.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | | *POINTS:* | 1 | | *REFERENCES:* | 11 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/16/2016 8:55 AM | |

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| 8. When you compile your program, the compiler identifies the logic errors and suggests how to correct them.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | | *POINTS:* | 1 | | *REFERENCES:* | 13 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 9. To develop a program to solve a problem, you start by analyzing the problem.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | | *POINTS:* | 1 | | *REFERENCES:* | 11 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 10. C++ programs have always been portable from one compiler to another.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | | *POINTS:* | 1 | | *REFERENCES:* | 22 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 11. Several categories of computers exist, such as \_\_\_\_.   |  |  |  | | --- | --- | --- | |  | a. | microframe, midframe, and miniframe | |  | b. | midsize, microframe, and mainframe | |  | c. | mainsize, midsize, and microsize | |  | d. | mainframe, midsize, and micro |  |  |  | | --- | --- | | *ANSWER:* | d | | *POINTS:* | 1 | | *REFERENCES:* | 3 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 12. The basic commands that a computer performs are \_\_\_\_, and performance of arithmetic and logical operations.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | input, file, list | b. | output, folder, storage | |  | c. | input, output, storage | d. | storage, directory, log |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *REFERENCES:* | 4 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 13. Main memory is called \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | read only memory | b. | random access memory | |  | c. | read and write memory | d. | random read only memory |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *REFERENCES:* | 4 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 14. The \_\_\_\_ is the brain of the computer and the single most expensive piece of hardware in your personal computer.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | MM | b. | ROM | |  | c. | RAM | d. | CPU |  |  |  | | --- | --- | | *ANSWER:* | d | | *POINTS:* | 1 | | *REFERENCES:* | 4 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 15. Main memory is an ordered sequence of items, called \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | pixels | b. | registers | |  | c. | memory cells | d. | addresses |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *REFERENCES:* | 4 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 16. The devices that feed data and programs into computers are called \_\_\_\_ devices.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | entry | b. | input | |  | c. | output | d. | secondary |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *REFERENCES:* | 5 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 17. The devices that the computer uses to display results are called \_\_\_\_ devices.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | exit | b. | entry | |  | c. | output | d. | input |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *REFERENCES:* | 5 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 18. \_\_\_\_ programs perform a specific task.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | Application | b. | System | |  | c. | Operating | d. | Service |  |  |  | | --- | --- | | *ANSWER:* | a | | *POINTS:* | 1 | | *REFERENCES:* | 5 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 19. The \_\_\_\_ handles the overall activity of the computer and provides services.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | central processing unit | b. | operating system | |  | c. | arithmetic logic unit | d. | control unit |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *REFERENCES:* | 5 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/13/2016 3:06 PM | |

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| 20. \_\_\_\_ represent information with a sequence of 0s and 1s.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | Analog signals | b. | Application programs | |  | c. | Digital signals | d. | System programs |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *REFERENCES:* | 6 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 21. A sequence of eight bits is called a \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | binary digit | b. | byte | |  | c. | character | d. | double |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *REFERENCES:* | 6 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 22. The digit 0 or 1 is called a binary digit, or \_\_\_\_*.*   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | bit | b. | bytecode | |  | c. | Unicode | d. | hexcode |  |  |  | | --- | --- | | *ANSWER:* | a | | *POINTS:* | 1 | | *REFERENCES:* | 6 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 23. The term GB refers to \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | giant byte | b. | gigabyte | |  | c. | group byte | d. | great byte |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *REFERENCES:* | 6 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 24. \_\_\_\_ consists of 65,536 characters.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | ASCII-8 | b. | ASCII | |  | c. | Unicode | d. | EBCDIC |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *REFERENCES:* | 7 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 25. A program called a(n) \_\_\_\_ translates instructions written in high-level languages into machine code.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | assembler | b. | decoder | |  | c. | compiler | d. | linker |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *REFERENCES:* | 9 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 26. A program called a(n) \_\_\_\_ combines the object program with the programs from libraries.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | assembler | b. | decoder | |  | c. | linker | d. | compiler |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *REFERENCES:* | 10 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 27. A program that loads an executable program into main memory is called a(n) \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | compiler | b. | loader | |  | c. | linker | d. | assembler |  |  |  | | --- | --- | | *ANSWER:* | b | | *POINTS:* | 1 | | *REFERENCES:* | 10 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 28. A step-by-step problem-solving process in which a solution is arrived at in a finite amount of time is called a(n) \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | algorithm | b. | linker | |  | c. | analysis | d. | design |  |  |  | | --- | --- | | *ANSWER:* | a | | *POINTS:* | 1 | | *REFERENCES:* | 11 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 29. Dividing a problem into smaller subproblems is called \_\_\_\_ design.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | OOD | b. | top-down refinement | |  | c. | structured | d. | analog |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *REFERENCES:* | 20 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 30. A(n) \_\_\_\_ consists of data and the operations on those data.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | disk | b. | compiler | |  | c. | interpreter | d. | object |  |  |  | | --- | --- | | *ANSWER:* | d | | *POINTS:* | 1 | | *REFERENCES:* | 21 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 31. The programming language C++ evolved from \_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | BASIC | b. | assembly | |  | c. | C | d. | C+ |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *REFERENCES:* | 22 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 32. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ handles the overall activity of the computer and provides services such as memory management, input/output activities, and storage management.   |  |  | | --- | --- | | *ANSWER:* | operating system  OS | | *POINTS:* | 1 | | *REFERENCES:* | 5 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/13/2016 3:11 PM | |

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| 33. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ signals represent information with a sequence of 0s and 1s.   |  |  | | --- | --- | | *ANSWER:* | Digital digital | | *POINTS:* | 1 | | *REFERENCES:* | 6 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 34. The ASCII data set consists of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ characters.   |  |  | | --- | --- | | *ANSWER:* | 128 | | *POINTS:* | 1 | | *REFERENCES:* | 7 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 35. Assembly language uses easy-to-remember instructions called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.   |  |  | | --- | --- | | *ANSWER:* | mnemonics | | *POINTS:* | 1 | | *REFERENCES:* | 8 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 36. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ languages include FORTRAN, COBOL, Pascal, C, C++, Java, and Python.   |  |  | | --- | --- | | *ANSWER:* | High-level  high-level  High level  high level | | *POINTS:* | 1 | | *REFERENCES:* | 8 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/13/2016 3:12 PM | |

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| 37. In a C++ program, statements that begin with the symbol # are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ directives.   |  |  | | --- | --- | | *ANSWER:* | preprocessor | | *POINTS:* | 1 | | *REFERENCES:* | 9 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 38. In object-oriented design, the first step in the problem-solving process is to identify the components called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which form the basis of the solution, and to determine how they interact with one another.   |  |  | | --- | --- | | *ANSWER:* | objects | | *POINTS:* | 1 | | *REFERENCES:* | 20 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |

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| 39. In \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ design, the final program is a collection of interacting objects.   |  |  | | --- | --- | | *ANSWER:* | object-oriented  object oriented  OO  oo  OOD  ood | | *POINTS:* | 1 | | *REFERENCES:* | 21 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/13/2016 3:13 PM | |

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| 40. In C++, the mechanism that allows you to combine data and operations on the data into a single unit is called a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.   |  |  | | --- | --- | | *ANSWER:* | class | | *POINTS:* | 1 | | *REFERENCES:* | 21 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 10/5/2016 1:36 PM | | *DATE MODIFIED:* | 10/5/2016 1:36 PM | |