

Name: _____ Class: _____ Date: _____

Chapter 01: Introduction to Visual Basic 2015 Programming

1. A ____ is an input device.

- a. scanner
- b. keyboard
- c. digital camera
- d. printer

ANSWER: a, b, c

POINTS: 1

REFERENCES: 3

QUESTION TYPE: Multiple Response

2. An application might allow data to be entered with a ____.

- a. scanner
- b. mouse
- c. digital camera
- d. video camera

ANSWER: a, b, c, d

POINTS: 1

REFERENCES: 9

QUESTION TYPE: Multiple Response

3. A ____ is an output device.

- a. mouse
- b. smartphone screen
- c. keyboard
- d. printer

ANSWER: b, d

POINTS: 1

REFERENCES: 9

QUESTION TYPE: Multiple Response

4. A database is a collection of data organized in a manner that allows ____ of that data.

- a. scanning
- b. retrieval
- c. access
- d. use

ANSWER: b, c, d

POINTS: 1

REFERENCES: 16

QUESTION TYPE: Multiple Response

5. Buttons for frequently used commands such as ____ are found on the Standard toolbar.

- a. Open Project
- b. Cut

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c. Save

d. Paste

ANSWER: a, b, c, d

POINTS: 1

REFERENCES: 17

QUESTION TYPE: Multiple Response



6. As shown in the accompanying figure, _____ the physical equipment associated with a computer.

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- a. computer hardware is
- b. computer software is
- c. computer programs are
- d. computer cables are

ANSWER: a

POINTS: 1

REFERENCES: 3

QUESTION TYPE: Multiple Choice

PREFACE NAME: VB0102

7. Both the program and the data must be placed in the ____ of computers like the system unit shown in the accompanying figure in order for the computer to perform activities as directed by the program.

- a. read only memory (ROM)
- b. central processing unit (CPU)
- c. CD-ROM
- d. random access memory (RAM)

ANSWER: d

POINTS: 1

REFERENCES: 4

QUESTION TYPE: Multiple Choice

PREFACE NAME: VB0102

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8. Which item in the accompanying figure is a storage device?

- a. 1
- b. 2
- c. 3
- d. 4

ANSWER: a

POINTS: 1

REFERENCES: 3

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QUESTION TYPE: Multiple Choice

PREFACE NAME: VB0102a

9. Which item in the accompanying figure is an input device?

- a. 1
- b. 2
- c. 3
- d. 4

ANSWER: b

POINTS: 1

REFERENCES: 3

QUESTION TYPE: Multiple Choice

PREFACE NAME: VB0102a

10. Which item in the accompanying figure is a processing device?

- a. 1
- b. 2
- c. 3
- d. 5

ANSWER: d

POINTS: 1

REFERENCES: 3

QUESTION TYPE: Multiple Choice

PREFACE NAME: VB0102a

11. In which order do most programs follow these general steps?

- a. process data, accept input data, create output data
- b. create output data, accept input data, process data
- c. accept input data, process data, create output data
- d. accept input data, create output data, process data

ANSWER: c

POINTS: 1

REFERENCES: 4

QUESTION TYPE: Multiple Choice

PREFACE NAME: VB0102a

12. Data is said to be ____ if it remains available after the computer power is turned off.

- a. persistent
- b. volatile
- c. fragmented
- d. temporary

ANSWER: a

POINTS: 1

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REFERENCES: 4

QUESTION TYPE: Multiple Choice

PREFACE NAME: VB0102a

13. Most Visual Basic 2015 programs are ____ programs that communicate with the user through a graphical user interface (GUI).

- a. GUI-based
- b. indexed
- c. event-driven
- d. persistent

ANSWER: c

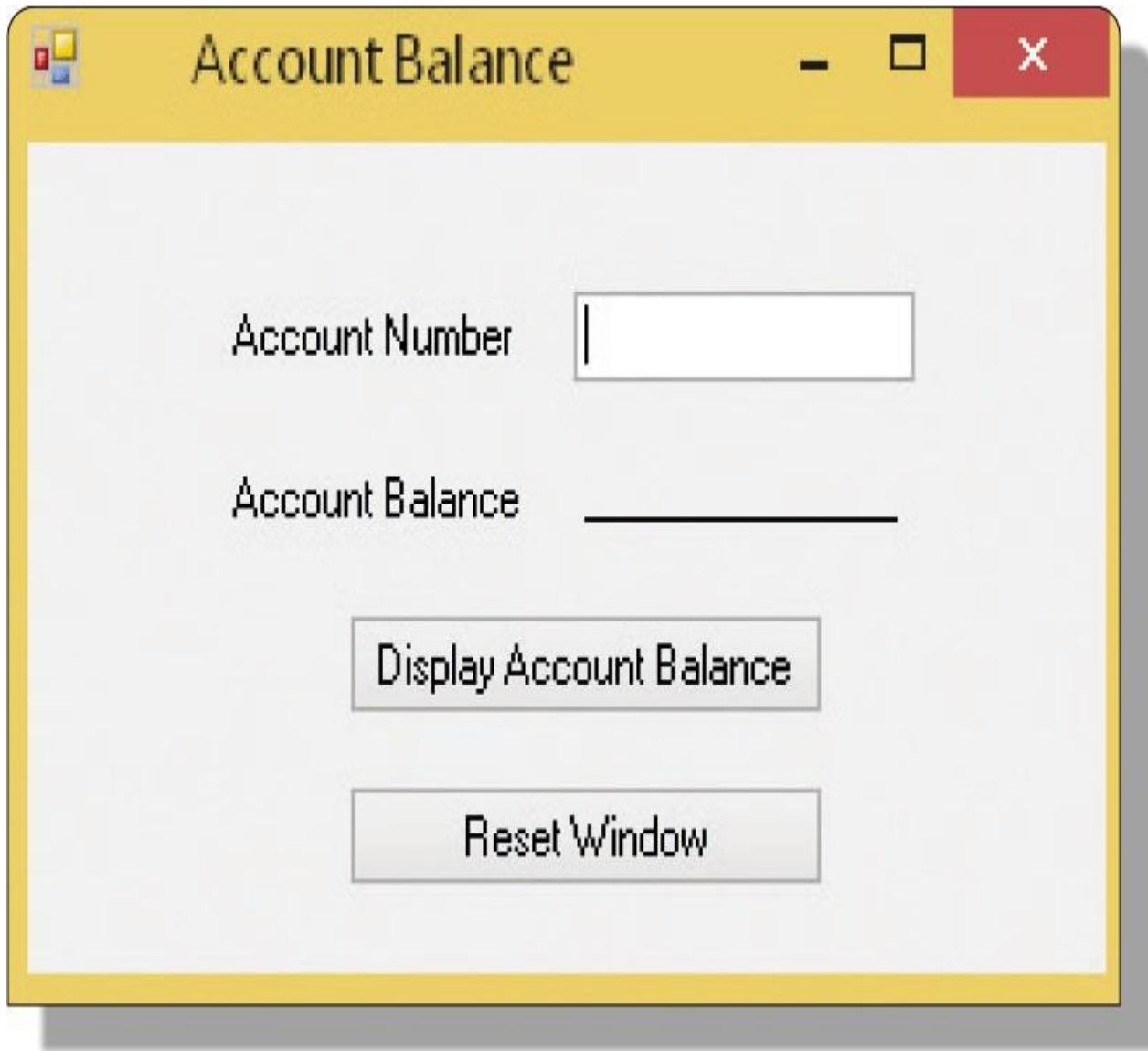
POINTS: 1

REFERENCES: 6

QUESTION TYPE: Multiple Choice

PREFACE NAME: VB0102a

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14. As shown in the accompanying figure, a(n) ____ consists of a window containing a variety of objects that can be displayed on various devices.

- a. ROM
- b. GUI
- c. CPU
- d. ERD

ANSWER: b

POINTS: 1

REFERENCES: 6

QUESTION TYPE: Multiple Choice

PREFACE NAME: VB0106

15. Tapping or clicking a button like the one labeled Reset Window in the accompanying figure when a Visual Basic program is running triggers a(n) ____.

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- a. index
- b. radical
- c. baseline
- d. event

ANSWER: d

POINTS: 1

REFERENCES: 6

QUESTION TYPE: Multiple Choice

PREFACE NAME: VB0106

16. Users employ GUI objects to ____.

- a. select options
- b. enter data
- c. cause events to occur
- d. all of the above

ANSWER: d

POINTS: 1

REFERENCES: 6

QUESTION TYPE: Multiple Choice

17. Addition and subtraction are considered to be ____ operations performed by a computer.

- a. input
- b. comparing
- c. arithmetic
- d. output

ANSWER: c

POINTS: 1

REFERENCES: 10

QUESTION TYPE: Multiple Choice

18. It is the ability of a computer to perform ____ operations that separates it from other types of calculating devices.

- a. arithmetic
- b. input
- c. logical
- d. output

ANSWER: c

POINTS: 1

REFERENCES: 11

QUESTION TYPE: Multiple Choice

19. A computer uses ____ operations to compare two values to see if they are equal to each other.

- a. arithmetic
- b. logical

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- c. grouping
- d. sorting

ANSWER: b

POINTS: 1

REFERENCES: 12

QUESTION TYPE: Multiple Choice

20. A program can direct a computer to take alternative actions based on the results of ____ comparisons.

- a. arithmetic
- b. grouping
- c. logical
- d. sorting

ANSWER: c

POINTS: 1

REFERENCES: 12

QUESTION TYPE: Multiple Choice

21. A ____ is a collection of data organized in a manner that allows access, retrieval, and use of that data.

- a. file
- b. folder
- c. program
- d. database

ANSWER: d

POINTS: 1

REFERENCES: 16

QUESTION TYPE: Multiple Choice

22. The ____ of a programming language is the set of usage rules for that language.

- a. logic
- b. semantics
- c. syntax
- d. GUI

ANSWER: c

POINTS: 1

REFERENCES: 16

QUESTION TYPE: Multiple Choice

23. A(n) ____ is a set of services and tools that enable a developer to code, test, and implement a single program or series of programs that comprise an application.

- a. integrated development environment (IDE)
- b. graphical user interface (GUI)
- c. development studio
- d. Microsoft Intermediate Language (MSIL)

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ANSWER: a

POINTS: 1

REFERENCES: 17

QUESTION TYPE: Multiple Choice

24. In the Visual Studio IDE, the ____ identifies the window and the application open in the window.

- a. title bar
- b. menu bar
- c. index bar
- d. property

ANSWER: a

POINTS: 1

REFERENCES: 17

QUESTION TYPE: Multiple Choice

25. The ____ contains a list of commands that allow you to create, edit, save, print, test, and run a Visual Basic program.

- a. menu bar
- b. toolbar
- c. Toolbox
- d. Properties window

ANSWER: a

POINTS: 1

REFERENCES: 17

QUESTION TYPE: Multiple Choice

26. The ____ of Visual Studio 2015 contains buttons for commands that are frequently used, such as Open Project, Save, Cut, Copy, Paste, and Undo.

- a. menu bar
- b. Standard toolbar
- c. Toolbox
- d. Properties window

ANSWER: b

POINTS: 1

REFERENCES: 17

QUESTION TYPE: Multiple Choice

27. The ____ contains the .NET components that you can use to develop the GUI for a program.

- a. menu bar
- b. toolbar
- c. Toolbox
- d. Properties window

ANSWER: c

POINTS: 1

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REFERENCES: 18

QUESTION TYPE: Multiple Choice

28. Each control has ____.

- a. indices
- b. properties
- c. IDEs
- d. tools

ANSWER: b

POINTS: 1

REFERENCES: 18

QUESTION TYPE: Multiple Choice

29. A button or a text box are examples of objects, also called ____, that are a visible part of the GUI.

- a. indices
- b. classes
- c. libraries
- d. controls

ANSWER: d

POINTS: 1

REFERENCES: 18

QUESTION TYPE: Multiple Choice

30. A ____ is an item that is a visible part of a GUI.

- a. property
- b. control
- c. class
- d. library

ANSWER: b

POINTS: 1

REFERENCES: 18

QUESTION TYPE: Multiple Choice

31. ____ are the characteristics of objects in Visual Basic.

- a. Methods
- b. Function
- c. Identifiers
- d. Properties

ANSWER: d

POINTS: 1

REFERENCES: 18

QUESTION TYPE: Multiple Choice

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32. The characteristics of GUI controls such as buttons and text boxes can be set using the ____ window in the Visual Studio IDE.

- a. Characteristics
- b. Attributes
- c. Properties
- d. Values

ANSWER: c

POINTS: 1

REFERENCES: 18

QUESTION TYPE: Multiple Choice

33. All of the following are Visual Studio Express 2015 products EXCEPT ____.

- a. Express for Web
- b. Express for iPhone
- c. Express for Windows Desktop
- d. Team Foundation Server Express

ANSWER: b

POINTS: 1

REFERENCES: 18

QUESTION TYPE: Multiple Choice

34. ____ is a language that can be used in Visual Studio.

- a. Fortran
- b. Visual F#
- c. Lisp
- d. COBOL

ANSWER: b

POINTS: 1

REFERENCES: 19

QUESTION TYPE: Multiple Choice

35. One of the most widely used programming languages in the world is ____.

- a. Pascal
- b. BASIC
- c. Fortran
- d. Visual Basic

ANSWER: d

POINTS: 1

REFERENCES: 19

QUESTION TYPE: Multiple Choice

36. The ____ provides tools and processes developers can use to produce and run programs.

- a. SQL Server Set

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- b. .NET Framework
- c. Java Toolkit
- d. both A and B

ANSWER: b

POINTS: 1

REFERENCES: 20

QUESTION TYPE: Multiple Choice

37. All of the following are major features of the .NET Framework 4.6 EXCEPT ____.

- a. RAM
- b. ADO.NET
- c. the Common Language Runtime
- d. ASP.NET 4.6

ANSWER: a

POINTS: 1

REFERENCES: 20

QUESTION TYPE: Multiple Choice

38. A class ____ is a collection of classes that can be made available for developers to use.

- a. glossary
- b. library
- c. index
- d. roster

ANSWER: b

POINTS: 1

REFERENCES: 21

QUESTION TYPE: Multiple Choice

39. The process of ____ is used to create an object from a class.

- a. initialization
- b. instantiation
- c. objectification
- d. classification

ANSWER: b

POINTS: 1

REFERENCES: 21

QUESTION TYPE: Multiple Choice

40. A set of prewritten classes called ____ allows you to access data stored in a database, for example.

- a. ADO.NET
- b. ASP.NET
- c. RAD
- d. CLR

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ANSWER: a

POINTS: 1

REFERENCES: 22

QUESTION TYPE: Multiple Choice

41. The process of using prebuilt classes to make application development faster, easier, and more reliable is called ____.

- a. RAD
- b. CAD
- c. ARD
- d. CLR

ANSWER: a

POINTS: 1

REFERENCES: 22

QUESTION TYPE: Multiple Choice

42. ____ computing is the connection of remote servers hosted on the Internet to store and process data, instead of storing the information locally on a personal computer or device.

- a. Distance
- b. Intangible
- c. Indexed
- d. Cloud

ANSWER: d

POINTS: 1

REFERENCES: 23

QUESTION TYPE: Multiple Choice

43. Translating programming statements into instructions that can be understood by the electronics of the computer is accomplished by a process called program ____.

- a. instantiation
- b. compilation
- c. factoring
- d. indexing

ANSWER: b

POINTS: 1

REFERENCES: 23

QUESTION TYPE: Multiple Choice

44. The ____ reads the MSIL code and causes the instructions within the program to be executed.

- a. CAD
- b. RAD
- c. CLR
- d. ARD

ANSWER: c

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POINTS: 1

REFERENCES: 24

QUESTION TYPE: Multiple Choice

45. A Web application runs on a web server and produces ____ code that is downloaded to a client computer.

- a. XML
- b. SQL
- c. HTML5
- d. HTTP

ANSWER: c

POINTS: 1

REFERENCES: 26

QUESTION TYPE: Multiple Choice

46. A computer program on a mobile device or Windows 8 or Windows 10 computer is also called an app.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: 2

QUESTION TYPE: True / False

47. Computer hardware will perform its tasks automatically, regardless of whether a software program is running or not.

- a. True
- b. False

ANSWER: False

POINTS: 1

REFERENCES: 3

QUESTION TYPE: True / False

48. Many computer programs perform the following general steps: first accept input, then write output, and finally process the data, in that order.

- a. True
- b. False

ANSWER: False

POINTS: 1

REFERENCES: 4

QUESTION TYPE: True / False

49. Saving, or storing, data refers to placing the data or software electronically on a storage medium.

- a. True
- b. False

ANSWER: True

POINTS: 1

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REFERENCES: 4

QUESTION TYPE: True / False

50. In order for the computer to execute a program, both the program and the data must be placed in the computer's random access memory (RAM).

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: 4

QUESTION TYPE: True / False

51. Computer programs can be written in standard English.

- a. True
- b. False

ANSWER: False

POINTS: 1

REFERENCES: 5

QUESTION TYPE: True / False

52. A programming language is a set of words and symbols that can be interpreted by special computer software to create instructions that can be executed by a computer.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: 5

QUESTION TYPE: True / False

53. A graphical user interface (GUI) is a special device for communicating with a user.

- a. True
- b. False

ANSWER: False

POINTS: 1

REFERENCES: 6

QUESTION TYPE: True / False

54. Tapping or clicking a button on a program screen causes an event to occur.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: 6

QUESTION TYPE: True / False

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55. A computer program can perform addition, subtraction, multiplication, and division operations on numeric data.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: 10

QUESTION TYPE: True / False

56. Computers can compare numbers, letters of the alphabet, and special characters.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: 11

QUESTION TYPE: True / False

57. A logical operation can be used to determine if two values are equal, if one value is greater than the other, or if one value is less than the other.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: 12

QUESTION TYPE: True / False

58. If you write a computer program, and want to execute the same program many times without rewriting it each time, you must save the program on disk.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: 15

QUESTION TYPE: True / False

59. A program can write data, but it cannot save data on disk.

- a. True
- b. False

ANSWER: False

POINTS: 1

REFERENCES: 15

QUESTION TYPE: True / False

60. Visual Basic 2015 is a programming language.

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a. True

b. False

ANSWER: True

POINTS: 1

REFERENCES: 16

QUESTION TYPE: True / False

61. Buttons for the .NET components used to develop the GUI are found on the Standard toolbar.

a. True

b. False

ANSWER: False

POINTS: 1

REFERENCES: 18

QUESTION TYPE: True / False

62. The Solution Explorer contains the item you are currently developing.

a. True

b. False

ANSWER: False

POINTS: 1

REFERENCES: 18

QUESTION TYPE: True / False

63. An object acts as a general template and a class is a specific item generated based on the object template.

a. True

b. False

ANSWER: False

POINTS: 1

REFERENCES: 21

QUESTION TYPE: True / False

64. The .NET Framework 4.6 contains thousands of classes and many class libraries that can be used by Visual Basic developers.

a. True

b. False

ANSWER: True

POINTS: 1

REFERENCES: 21

QUESTION TYPE: True / False

65. ADO.NET 4.6 allows a program to examine data from a database, but does not permit the program to update data in a database.

a. True

b. False

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ANSWER: False

POINTS: 1

REFERENCES: 22

QUESTION TYPE: True / False

66. ADO.NET is not part of the .NET Framework 4.6.

a. True

b. False

ANSWER: False

POINTS: 1

REFERENCES: 23

QUESTION TYPE: True / False

67. Almost all of the objects available in the .NET framework, such as buttons, text boxes, and picture boxes, are available in ASP.NET 5.

a. True

b. False

ANSWER: True

POINTS: 1

REFERENCES: 23

QUESTION TYPE: True / False

68. The use of MSIL and CLR offer multiple benefits that provide speed and flexibility for both the development and execution environments of a program.

a. True

b. False

ANSWER: True

POINTS: 1

REFERENCES: 25

QUESTION TYPE: True / False

69. After the compiling process is complete and a program is ready for execution, the MSIL reads the CLR in RAM in a form that allows the computer's CPU to execute the instructions in the program.

a. True

b. False

ANSWER: False

POINTS: 1

REFERENCES: 25

QUESTION TYPE: True / False

70. Utmost among the benefits offered by MSIL and CLR is that a program written using Visual Studio 2015 and compiled into MSIL can be executed on any computer using any operating system, as long as .NET Framework 4.6 is available on the computer.

a. True

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b. False

ANSWER: True

POINTS: 1

REFERENCES: 25

QUESTION TYPE: True / False

71. The set of instructions that directs a computer to perform tasks is called computer hardware.

ANSWER: False - software

POINTS: 1

REFERENCES: 2

QUESTION TYPE: Modified True / False

72. It is the ability of a computer to perform arithmetic operations that separates it from other types of calculating devices.

ANSWER: False - logical

POINTS: 1

REFERENCES: 11

QUESTION TYPE: Modified True / False

73. The programming rules of a language are called its semantics. _____

ANSWER: False - syntax

POINTS: 1

REFERENCES: 16

QUESTION TYPE: Modified True / False

74. C++ is a language that is derived from the programming language C. _____

ANSWER: True

POINTS: 1

REFERENCES: 19

QUESTION TYPE: Modified True / False

75. The process of creating an object from a class template is called generation. _____

ANSWER: False - instantiation

POINTS: 1

REFERENCES: 21

QUESTION TYPE: Modified True / False

76. _____ are people skilled in designing computer programs and creating them using programming languages.

ANSWER: Developers

POINTS: 1

REFERENCES: 5

QUESTION TYPE: Completion

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77. Developers speak of developing a(n) _____, which can mean several computer programs working together to solve a problem.

ANSWER: application

POINTS: 1

REFERENCES: 5

QUESTION TYPE: Completion

78. Operations, such as addition and subtraction, are called _____ operations.

ANSWER: arithmetic

POINTS: 1

REFERENCES: 10

QUESTION TYPE: Completion

79. The usage rules of a programming language are called the _____ of the language.

ANSWER: syntax

POINTS: 1

REFERENCES: 16

QUESTION TYPE: Completion

80. Visual Studio 2015 is an example of a set of services and tools called a(n) _____ which allows a developer to code, test, and implement programs.

ANSWER: integrated development environment
integrated development environment (IDE)
IDE

POINTS: 1

REFERENCES: 17

QUESTION TYPE: Completion

81. The _____ in Visual Studio 2015 contains the .NET components that can be used in developing the GUI of a program.

ANSWER: Toolbox

POINTS: 1

REFERENCES: 18

QUESTION TYPE: Completion

82. The _____ programming language is a synthesis of Visual Basic and C++.

ANSWER: Visual C#

POINTS: 1

REFERENCES: 19

QUESTION TYPE: Completion

83. When an object has been created from a class, we say that a(n) _____ of the class has been created.

ANSWER: instance

POINTS: 1

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REFERENCES: 21

QUESTION TYPE: Completion

84. A(n) _____ is a named group of program code.

ANSWER: class

POINTS: 1

REFERENCES: 21

QUESTION TYPE: Completion

85. An object is instantiated from a(n) _____.

ANSWER: class

POINTS: 1

REFERENCES: 21

QUESTION TYPE: Completion

86. A class acts as a general template from which a(n) _____ can be created.

ANSWER: object

POINTS: 1

REFERENCES: 21

QUESTION TYPE: Completion

87. The .NET Framework 4.6 _____ contains thousands of classes.

ANSWER: class library

POINTS: 1

REFERENCES: 21

QUESTION TYPE: Completion

88. _____ is the set of prewritten classes in the .NET Framework 4.6 used in Visual Studio to work with databases.

ANSWER: ADO.NET
ADO.NET 4.6

POINTS: 1

REFERENCES: 22

QUESTION TYPE: Completion

89. ASP.NET is designed for _____ technologies and server-side applications.

ANSWER: cloud

POINTS: 1

REFERENCES: 23

QUESTION TYPE: Completion

90. When a program written in a Visual Studio 2015 programming language is compiled, the code is expressed in an intermediate language called the _____.

ANSWER: Microsoft Intermediate Language

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Microsoft Intermediate Language (MSIL)
MSIL
MSIL (Microsoft Intermediate Language)

POINTS: 1
REFERENCES: 23-24
QUESTION TYPE: Completion

91. The _____ reads the MSIL code and causes the program instructions to be executed.

ANSWER:
Common Language Runtime (CLR)
Common Language Runtime
CLR (Common Language Runtime)
CLR

POINTS: 1
REFERENCES: 24
QUESTION TYPE: Completion

92. A(n) _____ application means the program will run on a computer or other device that supports the Windows GUI.

ANSWER:
POINTS: 1
REFERENCES: 25
QUESTION TYPE: Completion

93. You can create _____ apps that are designed to run on Windows 8 or Windows 10 computers and mobile devices such as smartphones and tablets.

ANSWER: Windows Store
POINTS: 1
REFERENCES: 25
QUESTION TYPE: Completion

94. _____ is a Microsoft product that provides cloud-based services to store, access, and organize information throughout an organization.

ANSWER: SharePoint
POINTS: 1
REFERENCES: 26
QUESTION TYPE: Completion

95. A(n) _____ application includes writing Visual Basic 2015 code to automate and manipulate documents created using Microsoft Office 2010 or Office 2013 and SharePoint.

ANSWER: Office/SharePoint
POINTS: 1
REFERENCES: 26
QUESTION TYPE: Completion

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- a. hardware
- b. event-driven
- c. class library
- d. logical
- e. RAM
- f. ADO.NET
- g. syntax
- h. persistent
- i. .NET Framework 4.6
- j. F#

| | |
|--------------------|-------|
| <i>REFERENCES:</i> | 4 |
| | 3 |
| | 4 |
| | 6 |
| | 11-12 |
| | 16 |
| | 20 |
| | 21 |
| | 20 |
| | 22 |

QUESTION TYPE: Matching

96. Where data must be placed in order to be processed

ANSWER: e

POINTS: 1

97. The physical equipment associated with a computer

ANSWER: a

POINTS: 1

98. Kind of data that remains available even after the computer is powered off

ANSWER: h

POINTS: 1

99. The kind of computer program that communicates interactively with the user through a graphical user interface

ANSWER: b

POINTS: 1

100. The kind of operations used to compare two values

ANSWER: d

POINTS: 1

101. The usage rules of a programming language

ANSWER: g

POINTS: 1

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102. A multipurpose language similar to Visual Basic and C#

ANSWER: j

POINTS: 1

103. Available for all developers who need to use it

ANSWER: c

POINTS: 1

104. Provides tools and processes developers can use to process and run programs

ANSWER: i

POINTS: 1

105. Provides the tools for a program to examine data that was retrieved from a database

ANSWER: f

POINTS: 1

106. Define data, explain its three forms, and the general steps a computer performs related to data.

ANSWER: Data includes words, numbers, videos, graphics, and sound that programs manipulate, display, and otherwise process. The basic function of many programs is to accept some form of data (sometimes called input data), manipulate the data in some manner (sometimes called processing), and create some form of data usable by people or other computers (sometimes called output data, or information). In short, many computer programs perform the following general steps: accept input data, process the data, and create output data. The data that acts as input to a program, the processing that occurs, and the output that is created varies with the requirements of the program.

POINTS: 1

REFERENCES: 3-4

QUESTION TYPE: Essay

TOPICS: Critical Thinking

107. Define syntax and explain its significance.

ANSWER: Each program statement causes the computer to perform one or more operations. When written, these instructions must conform to the rules of the Visual Basic 2015 language. Coding a program is a precise skill. The developer must follow the syntax, or programming rules, of the programming language precisely. Even a single coding error can cause a program to execute improperly. Therefore, the developer must pay strict attention to coding an error-free program.

POINTS: 1

REFERENCES: 16

QUESTION TYPE: Essay

TOPICS: Critical Thinking

108. Discuss at least four of the elements found in the Visual Studio 2015 window.

ANSWER: The title bar identifies the window and the application open in the window.

The menu bar displays the Visual Studio 2015 menu names. The menus contain lists of commands that allow you to create, edit, save, print, test, and run a Visual Basic program, and to perform other functions that are critical to the development of Visual Basic programs.

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The Standard toolbar contains buttons that execute frequently used commands such as Open Project, Save, Cut, Copy, Paste, and Undo.

The Toolbox contains .NET components that you can use to develop the GUI for the program.

The main work area is used to contain the item on which you are working.

The Solution Explorer window displays the elements of the Visual Basic solution, which is the name given to the Visual Basic program and other items that are generated by Visual Studio so the program will execute properly.

An item that is a visible part of a GUI, is called an object, or control. Each object in a Visual Basic program has a set of characteristics called the properties of the object. These properties can be set in the Properties window within Visual Studio.

POINTS: 1

REFERENCES: 17-18

QUESTION TYPE: Essay

TOPICS: Critical Thinking

Case 1-1

As you prepare to bring one of the interns in your software development company up to speed on the project on which you are working, you decide to create some illustrations of your programming to make certain key concepts clear to the intern.

109. Which of the following is an example of an event that a user might perform in the application you are creating?
- a. powering on the computer
 - b. saving data to RAM
 - c. clicking a button
 - d. all of the above

ANSWER: c

POINTS: 1

REFERENCES: 6

QUESTION TYPE: Multiple Choice

PREFACE NAME: Case 1-1

TOPICS: Critical Thinking

110. All of the following are examples of actions within event-driven programs EXCEPT ____.
- a. An account balance is shown when a button is clicked.
 - b. A message appears on the screen in response to text entered by the user.
 - c. The computer reboots spontaneously as the result of a head crash.
 - d. A text box is reset when a Reset button is clicked.

ANSWER: c

POINTS: 1

REFERENCES: 9

QUESTION TYPE: Multiple Choice

PREFACE NAME: Case 1-1

Name: _____ Class: _____ Date: _____

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TOPICS: Critical Thinking

Case 1-2

Visual Studio is new to you and you are trying to determine which of its languages is the best match for a couple of the projects on which you and your team are about to embark.

111. You are looking for a program that will be the most user-friendly for two of the junior members of your team, both of whom are new to programming. Which of the following is the best match?

- a. Visual Basic
- b. C++
- c. Visual C#
- d. All of the above

ANSWER: a

POINTS: 1

REFERENCES: 19

QUESTION TYPE: Multiple Choice

PREFACE NAME: Case 1-2

TOPICS: Critical Thinking

112. Steve and Shana on your team are looking for a language that will allow them to create an application that requires a high degree of control; they are not intimidated by complexity, as they have been programming for several years. Which of the following is the best match for them?

- a. Visual Basic
- b. Visual C#
- c. C++
- d. Visual F#

ANSWER: c

POINTS: 1

REFERENCES: 19

QUESTION TYPE: Multiple Choice

PREFACE NAME: Case 1-2

TOPICS: Critical Thinking