# TRUE/FALSE

1.	When you click the Auto Hide button on a window, the window is minimized and appears as a tab or the edge of the IDE.	1
	ANS: T PTS: 1 REF: 15 OBJ: A - Manage windows in II MSC: The Splash Screen Application	Œ
2.	A source file contains a list of projects in a solution.	
	ANS: F PTS: 1 REF: 17 OBJ: A - Manage windows in II MSC: The Splash Screen Application	ÞΕ
3.	The Properties window lists the names of the files included in the application you are creating.	
	ANS: F PTS: 1 REF: 18 OBJ: A - Set properties of object MSC: The Splash Screen Application	t
4.	When an object is instantiated (created), each property must be assigned a value by the programmer.	
	ANS: F PTS: 1 REF: 18 OBJ: A - Set properties of object MSC: The Splash Screen Application	t
5.	A class definition is a block of code that specifies or defines an object's appearance and behavior.	
	ANS: T PTS: 1 REF: 20 OBJ: A - Set properties of object MSC: Properties of a Windows Form	t
6.	If a solution is already open in the IDE, you are given the option to close the current solution before another solution is opened.	
	ANS: T PTS: 1 REF: 24 OBJ: A - Close and open existing solution MSC: Opening an Existing Solution	
7.	The Label tool is an appropriate control to use when you do not want the user to modify data.	
	ANS: T PTS: 1 REF: 30 OBJ: B - Add a control to form MSC: The Label Tool	
8.	The Project Designer window allows you to specify which form will display when the application starts.	
	ANS: T PTS: 1 REF: 36 OBJ: B - Open Project Designer window MSC: Starting and Ending an Application	
9.	Actions performed by the user such as clicking, double-clicking, and scrolling are known as events.	
	ANS: T PTS: 1 REF: 38	

10. The title bar on a form cannot be removed from splash screen applications. ANS: F PTS: 1 REF: 51 OBJ: C - Remove/disable Minimize, Maximize, and Close buttons MSC: The MinimizeBox, MaximizeBox, and ControlBox Properties **MULTIPLE CHOICE** 1. A user \_\_\_\_ is what the user sees and interacts with while an application is running. a. service c. splash b. profile d. interface ANS: D PTS: 1 REF: 13 MSC: The Splash Screen Application 2. A(n) is a container that stores the projects and files for an entire application. a. window c. interface b. solution d. package ANS: B PTS: 1 REF: 13 OBJ: A - Create Visual Basic 2012 Windows application MSC: The Splash Screen Application 3. The Windows window allows you to create the graphical user interface for your application. a. Property c. Designer b. Solution Designer d. Form Designer PTS: 1 REF: 16 OBJ: A - Manage windows in IDE ANS: D MSC: The Splash Screen Application 4. All objects in an object-oriented program are instantiated (created) from a ... c. class a. project b. form d. property PTS: 1 REF: 17 ANS: C OBJ: A - Manage windows in IDE MSC: The Splash Screen Application 5. The Solution Explorer window . a. displays a list of the projects contained in the current solution b. displays data connections and servers c. displays items that you can use when creating a project d. displays the classes, methods, and properties included in a solution ANS: A PTS: 1 REF: 17 OBJ: A - Manage windows in IDE MSC: The Splash Screen Application 6. Each object has a set of attributes, called , that determine the object's appearance and behavior. a. codes c. global settings b. events d. properties ANS: D PTS: 1 REF: 18 OBJ: A - Set properties of object MSC: The Splash Screen Application

MSC: The Code Editor Window

OBJ: B - Enter code in Code Editor window

7.	The position of the form on the screen	when an app	olication first st	arts is	controlled by setting the	
	property. a. Position		Lagation			
	b. Size		Location StartPosition			
	ANS: D PTS: 1 MSC: Properties of a Windows Form	REF:	21	OBJ:	A - Set properties of object	
8.	A is the general shape of the char	racters in the	text.			
	<ul><li>a. property</li><li>b. splash</li></ul>		format font			
	ANS: D PTS: 1 MSC: Properties of a Windows Form	REF:	22	OBJ:	A - Set properties of object	
9.	When you click the ellipsis () button in the Settings box of the Font property,					
	<ul><li>a. a list of font styles appears</li><li>b. a color palette appears</li></ul>		a dialog box of the attribute is		ved	
	ANS: C PTS: 1 MSC: Properties of a Windows Form	REF:	22	OBJ:	A - Set properties of object	
10.	To size a form using the keyboard, you	ı can select t	he form and pro	ess and	hold the key(s), and	
	then press one of the arrow keys on the	e keyboard.	-		(-),	
	<ul><li>a. Shift</li><li>b. Ctrl</li></ul>		Alt Ctrl+Shift			
	ANS: A PTS: 1 MSC: Properties of a Windows Form	REF:	22	OBJ:	A - Set properties of object	
11.	Which of the following is an example			a contr	ol?	
	<ul><li>a. BtnMessage</li><li>b. btnExit</li></ul>		labelmessage housepictureb	oox		
	ANS: B PTS: 1 MSC: Properties of a Windows Form	REF:	21	OBJ:	A - Set properties of object	
12.	To verify that a solution has been close	ed, you can l	ook in the	<u>.</u>		
	a. Class View	C.	Start Page			
	b. Server Explorer		Solution Expl	0161		
	ANS: D PTS: 1 OBJ: A - Close and open existing sol	REF: ution	24	MSC:	Closing the Current Solution	
13.	A Visual Basic 2012 solution file will			n.		
	<ul><li>anet</li><li>bapp</li></ul>		.frm .sln			
	ANS: D PTS: 1	REF:				
	OBJ: A - Close and open existing sol MSC: Opening an Existing Solution		24			
14.	The Toolbox window					
	<ul><li>a. displays the names of projects and files included in a solution</li><li>b. displays data connections and servers</li></ul>					
	c. displays the tools you use when cr		application's in	terface		

	d. displays the classes, methods, and properties included in a solution		
	ANS: C PTS: 1 REF: 2 MSC: The Toolbox Window	OBJ: B - Add a control to form	
15.	1	that appears inside the control. Text Values	
	ANS: C PTS: 1 REF: 3 OBJ: B - Set properties of label, picture box, and b MSC: The Label Tool		
16.	. The location of a control on the screen can be modifin pixels. The Y value is measured from the bo a. left c. b. right d.	rder.	
	ANS: C PTS: 1 REF: 3 OBJ: B - Set properties of label, picture box, and b MSC: The Label Tool		
17.	in pixels. The X value is measured from the bo a. left c.	order.	
	ANS: A PTS: 1 REF: 3 OBJ: B - Set properties of label, picture box, and b MSC: The Label Tool		
18.	. To align two or more selected controls along their le	ft, right, top, or bottom borders, you would use the	
		Align View	
	ANS: B PTS: 1 REF: 3 MSC: Using the Format Menu	OBJ: B - Select multiple controls	
19.	a. System c.	ontrol is an instance of the class.  Forms  Button	
	ANS: D PTS: 1 REF: 3 OBJ: B - Set properties of label, picture box, and b MSC: The Label Tool		
20.	. The function key will start a Visual Basic 2012 a. F2	F4	
	ANS: D PTS: 1 REF: 3 MSC: Starting and Ending an Application	OBJ: B - Start and end application	
21.	. When an application is started, Visual Basic 2012 with name and a(n) file extension.	ill automatically create a file that has the project	

	adll bexe			.sln .suo		
	ANS: B MSC: Starting and l	PTS: 1 Ending an Application	REF:	37	OBJ:	B - Start and end application
22.	To start an application a. DEBUG b. PROJECT	on using the menu bar,	c.	k and the VIEW BUILD	n click	Start Debugging.
	ANS: A MSC: Starting and I	PTS: 1 Ending an Application	REF:	37	OBJ:	B - Start and end application
23.	extension.	ual Basic application th			of the I	DE has a(n) file
	asln bvb			.exe .src		
	ANS: C OBJ: B - Run proje	PTS: 1 ect's executable file	REF: MSC:		Ending a	an Application
24.		sic instructions that tell is referred to as a(n) _	·	ject how to beh object function subroutine		er an action by the user (such
	ANS: B OBJ: B - Enter cod	PTS: 1 le in Code Editor windo	REF:	40	MSC:	The Code Editor Window
25.	You enter the proced a. Code Editor b. Server	lure's code in the	c.	v. Solution Designer		
	ANS: A OBJ: B - Enter cod	PTS: 1 le in Code Editor windo	REF:	40	MSC:	The Code Editor Window
26.		application to end when	n the use	er clicks the Ex	cit butto	on, you write the following
	<pre>code: a. Me.Stop() b. Me.Close()</pre>			Me.Termin Me.End()	ate()	
	ANS: B OBJ: B - Use Me.O	PTS: 1 Close() instruction	REF: MSC:	40 The Code Edi	tor Win	ndow
27.	A(n) is a block a. event b. form	of code that performs	c.	ic task. class sub procedure	e	
	ANS: D OBJ: B - Enter cod	PTS: 1 le in Code Editor windo	REF:	40	MSC:	The Code Editor Window
28.	A(n) is a prede a. method b. object	fined procedure that yo	c.	all (or invoke) class event	when n	needed.
	ANS: A	PTS: 1	REF:			

33. An example of a valid value for the form's Name property is \_\_\_\_\_.

a. form Ridgeline
b. formridgeline
c. Ridgeline
d. frmRidgeline

ANS: D
PTS: 1
REF: 21
OBJ: A - Set properties of an object
MSC: Properties of a Windows Form

	<ul><li>a. FixedSingle</li><li>b. Sizable</li><li>c. Zero</li><li>d. False</li></ul>				
	ANS: A PTS: 1 REF: 50 OBJ: C - Prevent user from sizing form TOP: Critical Thinking MSC: Setting the FormBorderStyle Property				
35.	If a timer control is used to display the office image and company logo for five seconds, you will need to set the timer's Interval property to  a. 5				
	ANS: D PTS: 1 REF: 49 OBJ: C - Set properties of timer control MSC: Using the Timer Tool				
SHOI	RT ANSWER				
1.	Explain the difference between a solution and a project.				
	ANS: A solution is the container that stores the projects and files for an entire application. It can contain several projects. A project is also a container, but it stores only the files associated with that particular project.				
	PTS: 1 REF: 13 OBJ: A - Create Visual Basic 2012 Windows application MSC: The Splash Screen Application				
2.	What does it mean when an asterisk (*) sometimes appears on the Windows Form Designer window? When it appears, what should you do to remove it?				
	ANS: The asterisk indicates that a change was made to the form since the last time it was saved. It is a good idea to save the current solution often so that you will not lose a lot of your work if the computer loses power. You should click Save All to save all files in the solution, and this will remove the asterisk that appears on the designer window's tab.				
	PTS: 1 REF: 23 OBJ: A - Save solution MSC: Saving a Solution				
3.	What is the Windows Form Designer window? Describe how it is used in Visual Studio 2012.				
	ANS: The Windows Form Designer window is where you create (or design) your application's graphical user interface. It is used to create the Windows Form object, or form. The form is the foundation of the user interface in a Windows application. You use the Windows Form Designer window to create the form and add all of the necessary objects to the form that are needed for the application to work properly.				
	PTS: 1 REF: 16 OBJ: A - Manage windows in IDE				

4. What is the Solution Explorer window? Describe how it is used in Visual Studio 2012.

#### ANS:

The Solution Explorer window displays a list of the projects contained in the current solution and the items contained in each project. You can view all of the files within the current solution. You can use the Solution Explorer window to determine if a solution is open or closed. You can also use the Solution Explorer window to open a form file in the Windows Form Designer window.

PTS: 1 REF: 17, 24

OBJ: A - Manage windows in IDE | A - Close and open existing solution

MSC: The Splash Screen Application

5. What is the Properties window? Describe how it is used in Visual Studio 2012.

## ANS:

The Properties window lists the properties, or attributes, of an object. Each object used in an application has a set of attributes that determine its appearance and behavior. The attributes are called properties, and each property has a default value assigned to it. The Properties window details the name of each property and the related value that can be applied to an attribute of an object.

PTS: 1 REF: 18 OBJ: A - Manage windows in IDE

MSC: The Splash Screen Application

6. What is the Toolbox window? Describe how it is used in Visual Studio 2012.

### ANS:

The Toolbox window, known simply as the toolbox, contains the tools you use when creating your application's user interface. Each tool represents a class from which an object, such as a button or text box, can be instantiated. The instantiated objects, called controls, are placed on the form. You click on a tool in the toolbox, and drag and drop it on a location on the form.

PTS: 1 REF: 29 OBJ: B - Add a control to form

MSC: The Toolbox Window

7. What is a label control? Explain how it is used on a form.

#### ANS:

A label control is a control that contains descriptive text. It is often used to display text that the user is not allowed to edit while an application is running.

PTS: 1 REF: 30

OBJ: B - Set properties of label, picture box, and button controls

MSC: The Label Tool

8. Describe the use of the Format menu and controls on the form.

#### ANS:

The Format menu provides options for manipulating the controls on the form. It provides alignment and sizing options that can be used on more than one control at the same time. You must select the controls that need to be aligned or sized before using the Format menu. The first control that is selected is the control that the remaining controls will be aligned or sized to match.

PTS: 1 REF: 33 OBJ: B - Select multiple controls

MSC: Using the Format Menu

9. What is a button control? Provide two examples of common button controls found in Windows applications.

#### ANS:

A button control is used on a form to perform an immediate action when clicked. Two common examples of button controls are the Exit button and the OK button.

PTS: 1 REF: 36

OBJ: B - Set properties of label, picture box, and button controls

MSC: The Button Tool

10. What is a startup form? Describe the steps used to define it for an application.

## ANS:

A startup form is the form that the computer automatically displays each time the application is started. To set the startup form for an application, make sure the Solution Explorer window is displayed. Right-click My Project and then click Open to open the Project Designer window. Click on the Application tab to set or change the name of the startup form.

PTS: 1 REF: 36 OBJ: B - Open Project Designer window

MSC: Starting and Ending an Application

11. How is a timer control used in an application? Provide one example.

#### ANS:

A timer control is used to process code at one or more regular intervals. Timer controls are often used when it's necessary to have something occur for a set amount of time in an application.

PTS: 1 REF: 48 OBJ: C - Set properties of timer control

MSC: Using the Timer Tool

12. If a control is deleted from a form, is the related code for the control also deleted? Explain.

## ANS:

No, deleting a control from a form does not delete the control's code, which remains in the Code Editor window. You first must select the control to be deleted on the form and press the Delete key to remove it from the form. You then must open the Code Editor window, select the code associated with the deleted control, and press the Delete key to delete the code.

PTS: 1 REF: 49

OBJ: C - Delete control from form | C- Delete code from Code Editor window

MSC: Using the Timer Tool

13. List the properties of a form that can be used to remove three standard title bar elements, including the title bar.

## ANS:

- 1. MinimizeBox property
- 2. MaximizeBox property
- 3. ControlBox property

PTS: 1 REF: 50, 51

OBJ: C - Remove/disable Minimize, Maximize, and Close buttons

MSC: The MinimizeBox, MaximizeBox, and ControlBox Properties

14. Why should you print a copy of your application's code and user interface?

# ANS:

The printout can serve as documentation. It can help you understand and maintain the application in the future.

PTS: 1 REF: 51 OBJ: C - Print code and interface

MSC: Printing the Application's Code and Interface

15. Define a source file and describe how it relates to a form file. Provide an example of a source file name, including the appropriate file extension.

#### ANS:

A source file is a file that contains program instructions called code. The source file for a form is referred to as a form file because it contains the code associated with a form. An example of a source file name is Form1.vb.

PTS: 1 REF: 17 MSC: The Splash Screen Application