Final Exam Review

1. A function might be used in more than one form. Where should the function reside?
   1. At the beginning of the form class
   2. At the end of the form class
   3. At the end of a module
   4. In all forms that might need to use it
2. A Timer control uses \_\_\_\_\_ seconds
   1. Milli
   2. Nano
   3. Pico
   4. Micro
3. How would you go about initializing a string array strFriends() to nothing?
   1. Dim intCounter as Integer  
      For intCounter = 1 to (strFriends().Length -1)  
       strFriends(intCounter) = String.Empty  
      Next intCounter
   2. Dim intCounter as Integer  
      For intCounter = 0 to (strFriends().Length)  
       strFriends(intCounter) = String.Empty  
      Next intCounter
   3. Dim intCounter as Integer  
      For intCounter = 0 to (strFriends.Length -1)  
       strFriends(intCounter) = String.Empty  
      Next intCounter
   4. Dim intCounter as Integer  
      For intCounter = 0 to (strFriends().Length -1)  
       strFriends(intCounter) = String.Empty  
       intCounter += 1  
      Next intCounter
4. What is the difference between a dialogue and a modal form?
   1. A dialogue form requires user input and a modal form does not
   2. A form opened with showDialogue is a modal form
   3. Nothing will execute in a parent when a dialogue is opened, but it will when a modal form is used
   4. The dialogue can be ignored and the parent used but a modal form requires the child to be closed first.
5. How do you show a modeless form?
   1. frmMyForm.Show()
   2. frmMyForm.Open()
   3. frmMyForm.ShowModal()
   4. frmMyForm.ShowDialogue()
6. A function that processes an integer array would have a header that looks like:
   1. Function MyArrayProcessor(ByVal intMyNums() as Integer) as Integer()
   2. Function MyArrayProcessor(ByVal intMyNums() as Integer) as intReturnArray()
   3. Function MyArrayProcessor(ByVal intMyNums as Integer) as Integer()
   4. Function MyArrayProcessor(ByVal intMyNums() as Integer)
7. What causes the Form Load event to fire?
   1. The form shows up on screen
   2. The user clicks on the form
   3. Focus returns to the form
   4. The form is initialized in the computer’s main memory with “New” keyword
8. How many elements total will this have: Dim intThreeArrays(4,5,6) as Integer
   1. 210
   2. 120
   3. 0
   4. 26
9. Me always refers to:
   1. A name I call myself… Far, a long long way to run… Sew…
   2. The parent containing form.
   3. The last object called
   4. The current instance of whatever object this code exits in, be it a form, module, custom class
10. What is the best way you’ve been shown to step through a multi-dimensional array?
    1. A recursive function
    2. Copy each element of each dimension into a one dimensional array and loop
    3. Nested loops, one for each dimension of the array
    4. Two loops, nested, one to loop through the children and one to loop through parents
11. The startup form is chosen mostly based on
    1. There may be many other forms that need to return to a visible central point of reference.
    2. You need to provide instructions to the user
    3. You need to display the company branding (logo)
    4. The application requires a splash screen.
12. If you wanted to stick an image to the right side of the form, despite user resizing, you would use the:
    1. Dock
    2. Position
    3. Anchor
    4. Sticky
13. People expect \_\_\_\_\_\_\_\_ on menus in forms.
    1. File, Edit, Help
    2. File, Options
    3. Settings, Help, Cart
    4. View, Settings, Options
14. Rnd is a
    1. Keyword
    2. Function
    3. Property
    4. Class
15. Randomize is a
    1. Keyword
    2. Statement
    3. Function
    4. Property
16. What would this do? mnuCopy.Enable = False
    1. The menu item would become bold and clickable
    2. The menu item would become grey and unclickable
    3. The menu item would stay the same but could not be clicked
    4. The menu item would become grey and clickable
17. If one array variable is assigned to another array variable with equals what happens?
    1. This is not a valid operation
    2. The elements in the first array will be copied into corresponding positions as elements in the second array
    3. The second array will contain elements pointing back to the elements in the first array.
    4. Both arrays will now point to the same array in memory
18. To find the lowest value in an array you need:
    1. An outer loop to go through the values of the array and an inner loop to compare all the values of a new array with the current value
    2. A single loop to go through all the values in the array, a variable to hold the current lowest value, and a statement to reassign the current lowest value from the array to that variable if it is lower than the variables value
19. What is the error?   
    Dim strFriends(2) as String  
    Dim intIndex as Integer  
    For intIndex = 0 to 2  
     strFriends(intIndex) = String.Empty  
    Next
    1. There is no error
    2. Out of bounds error
    3. The for loop is not properly written
    4. The array is not initialized properly
20. ShortcutKeys are
    1. Keys you can hit to access controls on the form
    2. Shortcuts to your program from your desktop
    3. Visual Basic keystrokes for importing controls quickly from the toolbox
    4. Keys you can press in sequence to access items in the menu.
21. You set this to get a checkmark next to a menu item
    1. Enabled
    2. EnabledCheck
    3. Checked
    4. CheckedBox
22. A startup object
    1. Is any object instantiated in your form’s Load method
    2. Is any object that executes when an application is run
    3. Is defined at the project level
    4. Must be a form
23. ReDim with Preserve
    1. Allows you to use an array just like a collection
    2. Makes a new array in memory and, after copying original elements to the new array, adds default fields or truncates based on new array length.
    3. Makes a array in memory and adds default fields for all values
    4. Adds elements to an existing array
24. Random numbers are generated for a range by:
    1. intNumber = rand.Next(maxValue) + offset
    2. intNumber = randNext(maxValue + offset)
    3. intNumber = randNext(maxValue)
    4. intNumber = randNext(offset) + maxValue
25. How many dimensions is this integer array initilization? {{{2}},{{4},{6}},{8},{10}}
    1. 2
    2. 3
    3. 4
    4. Invalid
26. To create an object, such as a form on the screen, you need what?
    1. ClassName1’s Declaration & a statement calling New ClassName1
    2. ClassName1’s Declaration
    3. A variable assigned to New FormClass
    4. A module
27. A form’s Activated event is triggered
    1. Every time the form is loaded into memory
    2. Every time the form becomes the one and only activated item on a user’s screen
    3. Only when a user returns focus to the form
    4. Only when the form is loaded into memory
28. Global variables are bad because they
    1. Can get updated by multiple methods at any time
    2. Are easy to access anywhere
    3. Take up more memory
    4. Reduce the number of variables a programmer has to keep up with
29. A hyphen in a menu
    1. Is not a valid character
    2. Allows encoding of shortCutKeys
    3. Always shows like every other character
    4. Can indicate a horizontal separator
30. When declaring an array, the subscript number provided
    1. Is the total number of element s the array will hold
    2. Is the maximum subscript you will be able to access when looping through the array
    3. Has no effect on the size of the array at that point
    4. Cannot be changed using ReDim
31. A file must be opened, or created before it can be read or written to.
    1. True
    2. False
32. What is the simplest way to save data between different times a program is run?
    1. Database
    2. File
    3. toString
    4. Print on the printer
33. What method is not available to use with a file?
    1. Read
    2. Insert
    3. Write
    4. WriteLine
34. The return value of read from fileStream is
    1. a character
    2. a line
    3. the entire file
    4. nothing
35. If we don’t use the inputFile.peek method when reading a file, what happens?
    1. Nothing
    2. Exception is thrown when the end of file is reached
    3. The read head will stop at the end of the file
36. OpenFileDialog and SaveFileDialog boxes return what value?
    1. String
    2. One of Windows.Form.DialogResult parameters
37. FileName is a property of a safeFileDialog that contains
    1. The selected path (if any) containing the file and location to be saved to.
    2. The name of the file to be saved to
    3. The default location where the dialog will ask the user to save.
38. A table stores what in a database?
    1. Lines of information
    2. Relationships
    3. Records containing named fields, each with values of a determined datatype
    4. A Datum
39. After visual basic queries a database for data, it stores it in
    1. Table
    2. File
    3. SQL
    4. DataSet
40. Using “ = ” to compare objects results in what?
    1. You know that both are equal
    2. You know that both have the same name
    3. You know that you have two variables pointing to the same place in RAM
    4. An exception, you must use IsEqual to compare objects
41. To make use of inheritance, what three keywords would you need to use?
    1. Inherits, overridable, overrides
    2. Extends, abstract, function
    3. Parent, child, base
42. Objects usually provided properties to change or get
    1. Global variables
    2. Transient variables
    3. Inside variables
    4. Member variables
43. Objects contain
    1. Functional code
    2. Procedural code
    3. All of the above
    4. None of the above
44. Encapsulation means that
    1. We choose which variables and methods are accessible from calls to the variable
    2. The object is drawn like a pill on a flowchart
    3. The object can have different values from another object of the same class
45. Which of the following is not a function a class inherits from Object?
    1. Finalize
    2. New
    3. Start
    4. toString
46. If I am “Me” my parent is
    1. Dad
    2. Base
    3. MyBase
    4. Parent
47. What’s the first thing you do in object oriented programming when you start to solve a problem?
    1. Identify the objects
    2. Identify the algorithms required
    3. Identify the business rules
    4. Identify all formulas