SMU - Visual Basics

Part A (One mark questions)

1. Pick the operating system platforms that can run Visual Studio .NET
a. Windows 96
b. Windows 2000
c. Windows 98
d. Windows 95

2. _____ is a database engine that runs on your own PC so you can use Visual Studio for developing database applications.
a. MDI
b. MSDN
c. MDE
d. MSDE

3. A _____ runs on a web server, but its user interface is displayed in a web browser on the client machine.
a. Web Forms application
b. Windows form application
c. Windows form control
d. Web forms

4. implicit, structure and enum belongs to _____ type in VB .Net
a. Value
b. Reference
c. Default
d. explicit

5. Pick the range of short data type from the following
a. -2,147,483,648 to 2,147,483,647
b. 0 - 255
c. -32,768 to 32,767
d. 32,768 to -32,767

6. _____ is a placeholder holds the different data types based on its declaration type.
a. integer
b. variable
c. memory
d. buffer

7. Case else will be executed if all the case checks _____
a. exit
b. executes
c. success
d. fails

8. An _____ statement terminates the loop and transfers the execution point outside the for loop.
a. End For
b. Exit For
c. Exitfor
d. Endfor

9. To access the values from an Array we use _____
a. integer index
b. integer element
c. data index
d. data element

10. The_____ which you select determines the initial files, assembly references, code, and property settings that are added to the project.
a. File template
b. project explorer
c. project template
d. Library template

11. Keystroke options (Interacting application through keyboard) can be activated in the application with the combination _____ key.
a. Number
b. Function
c. Ctrl
d. Alt

12. Pick the right answer to add the control to a form.
a.Click on the control in the toolbox and click in the form.
b. clicking the control in the Toolbox, then clicking and dragging in the form
c. double-click the control you want to add in the Toolbox
d. All the above

13. When an unexpected condition occurs, the CLR creates a special object called_____
a. error
b. exception
c. catch
d. throw

14. The error number is available as a property of the _____ object
a. errnum
b. exp
c. Err
d. expnum

15. _____ contains code that runs when the Try block completes its action
a. Finally
b. catch
c. Try
d. throw

16. The technology used to interact with a database in VB.NET is called_____.
a. ADODB
b. ODBC
c. JDBC
d. ADO.NET

17. Expand ADO
a. Action Data Object
b. Active Data Object
c. Active Dynamic Object
d. Action Dynamic Object

18. ADO.NET uses something called a _____ to hold all of your information from the database
a. Data set
b. Record set
c. vector
d. Array

19. Which command from the following helps you to reach the last record
a. BOF
b. MaxRows +1
c. MaxRows
d. MaxRows – 1

20. In order to add a new row into the dataset we require _____ object
a. AddNew
b. DataRow
c. NewRow
d. dsNewRow

21. To update the database itself we require _____
a. StringBuilder
b. sqlBuilder
c. command builder
d. None of the above

22. Name the statement to use the array when you actually need which is already declared
a. DimArray
b. Declare
c. Dim
d. ReDim

23. Multiple controls share the same set of event procedures even though each individual element in the array can have different values for its properties are called _____
a. Array
b. control Array
c. array of control
d. None of the above

24. An array of which each element is itself an array is called as _____
a. single array
b. multiple array
c. jagged array
d. Static array

25. Name the key used to display the components of dialog box
a. ctrl +C
b. ctrl+T
c. ctrl + V
d. ctrl +S

26. The _____ control is most often used as a container for images and icons
that are employed by other controls
a. Icon
b. IconList
c. Image
d. ImageList

27. The ImageList control has a property whose value determines the color that should be considered
transparent on graphical operation
a. grayCode
b. grayColor
c. MaskColor
d. None of the above

28. ListView control behaves much like a ListBox control whose _____
property has been set to 2-Extended.
a. LabelEdit
b. Listview
c. Multilevel
d. MultiSelect

29. The _____ method returns the ListItem object at the specified coordinates
a. ListView
b. ListView's HitTest
c. set focus
d. SelectionItem

30. _____ routine evaluates the maximum width of all the strings stored in that column
a. ListViewAdjustColumnWidth
b. LoadListViewFromRecordset
c. ListViewColumnWidth
d. None of the above

31. Expand CBD
a. Component Based Development
b. Computer Based Development
c. Component Based Deployment
d. Computer Based Deployment

32. A_____ encapsulates the data, but not the processing associated with that data
a. Variable
b. CBD
c. BAS
d. UDT

33. The common tool called _____ which is a part of CASE
a. DCL
b. DML
c. UML
d. XML

34. The child class automatically has all the _____ functionality of the parent class
a. static
b. protected
c. private
d. public

35. Members are not overridable by default. Still, we can use the _____ keyword to make our intentions clear
a. NoOverridable
b. NotOverridable
c. NonOverridable
d. Nonridable

36. _____ tells you if the object can be interpreted as a number
a. IsNotNumber
b. IsNumber
c. IsDate
d. IsNumeric

37. The default implementation of _____ method returns the fully qualified type name of the object.
a. Equals
b. ToString
c. ReferenceEquals
d. GetType

38. _____ Indicates a Clone method that provides a deep copy
a. IsClone
b. Idisposable
c. Icloneable
d. IsDispose

39. _____ is the next level of multitasking.
a. parallal processing
b. multiexecution
c. multiprocessing
d. multithreading

40. The term thread comes from _____ which is used to mean that every program is running in a certain context
a. execution of thread
b. thread of execution
c. sequence of the thread
d. none of the above

Part B (Two mark questions)

41. State the following statements are True/False
i) Windows Forms application uses Windows Forms controls.
ii) Web form controls are similar to the Windows Forms controls, it supports both windows and web forms.
a. False, True
b. False, False
c. True, False
d. True, True

42. The _____ consists of segments of pre-written code called _____ that provide many of the functions that you need for developing .NET applications
a. .NET Framework Class Library, Classes
b. Classes, .NET Framework Class Library
c. MSDN, Object files
d. object files, MSDN

43. State the following statements are True/False
i) VB.Net executable program resides in a class or module
ii) VB.Net is a case sensitive language.
a. True, True
b. True, False
c. False, False
d. False, True

44. The size of the Boolean and Char datat types in VB.Net is _____ and _____ bytes respectively.
a. 1 and 4
b. 2 and 4
c. 2 and 1
d. 1 and 2

45. State the statements are True/False related to select statement
i) You can use any implicit data type in the Select statement
ii) You can use multiple statements under a single case statement
a. True, False
b. True, True
c. False, True
d. False, False

46. Each array in VB.Net is an _____ and is inherited from the _____ class
a. object, System.Arraycopy
b. Variable, System.Arraycopy
c. Variable, System.array
d. object, System.Array

47. What is Event?
a. Is a data associated with an object
b. Signals by which an object notify something noteworth has occurred.
c. Operations that an object can perform.
d. All the above

48. You can use the first two buttons at the top of the Properties window to sort the properties by _____ or _____
a. alphabetically, casewise
b. ascending, decending
c. chronological, category
d. category , alphabetically

49. Find the appropriate class for the given exception Represents errors in ADO.NET components :_____ when there is not enough memory to carry out an operation :_____
a. XmlException, OutOfMemoryException
b. OutOfMemoryException, DataException
c. DataException, OutOfMemoryException
d. DataException, InvalidOperationException

50. _____ property is used to store an exception trail. _____ will contain the name of the routine generating the exception
a. catch, throw
b. InnerException, TargetSite
c. TargetSite, InnerException
d. help link, inner exception

51. State the expected output of the query select empno, name from employee
a. employee number and name
b. employee number from the employee table
c. All the fields fron the table
d. Error in query

52. _____ and _____ are the two properties helps to find the stauts of last record and before last record in the dataset.
a. End of File, Before End of File
b. BOF, EOF
c. EOF, BOF
d. Before End of File, End of File

53. ds.Tables("AddressBook").Rows(inc).Item(1) find the result after executing the statement
a. data will be retrieved from the table stored in the control called item
b. helps to update the content into the data base from the control called item.
c. helps to calculate with the data available in the table.
d. syntax error

54. Pick the types of array available in VB
i) dynamic array
ii) Fixed size array
iii) doggling array
iv) Ragged array
a. i, ii only
b. i, ii, iiii only
c. i, iii, iv only
d. All the above

55. Add([Index], [Key], [Picture]) As ListImage is the syntax used for
a. To add images at run time
b. To add images & pictures at design time
c. images as array
d. To add pictures at the load time

56. Pick the modes supported by the ListView control
i) Smallicon
ii) List
iii) Report
iv) Menu
a. I, ii, iv only
b. I, ii, iiii only
c. I, iii, iv only
d. ii, iii, iv only

57. The_____ procedure retrieves the property value from the class and the _____
procedure assigns the property
a. Setclass, Getclass
b. Set , Get
c. Get , Set
d. Getclass, Setclass

58. MyBase.New(theName, curSalary) represents
a. initialise constructor
b. access constructor
c. access parent class constructor
d. access child class constructor

59. State True/False
i) A clone is an identical copy of an object.
ii) The clone's state can not be changed from the original object's state
a. False, False   b. False, True
c. True, False   d. True, True

60. bThread.Name = "Subtracting thread" denotes
a. name assigned as subtracting thread
b. value subtracting thread assigned to the thread
c. value of the name is subtracting thread
d. syntax error

Part C (Four mark questions)

61. State the following statements are True/False related to components of .NET frame work.
i) .NET Framework consists of two main components called .NET Framework Class Library and the common Language Runtime.
ii) .NET Framework Class Library provides pre-written code in the form of object files.
iii) CLR is the foundation of the .NET Framework.
iv) The Common Type System is a component of the .NET Framework class library.

a. False, True, False, True
b. True, True, False, False
c. True, False, True, False
d. False, True, True, False

62. Find the output of the following program
Module MyHelloWorldModule
Sub Main()
Console.Write("Please, write your good name: ")
Dim name As String = Console.ReadLine()
Console.WriteLine("Hello {0}, Good Luck in VB.Net", name)
End Sub
End Module
Assume input for the program is : varun

a. varun Hello, Good Luck in VB.Net
b. Hello varun, Good Luck in VB.Net
c. Hello, Good Luck in VB.Net
d. Runtime error

63. Find the output of the following
Public Sub Main()
Dim name As String = "Faraz Rasheed"
Dim ch As Char
For Each ch in name
Console.WriteLine(ch)
End For
End Sub

a. Print only first half of the name ie Faraz.
b. Print the whole name in a single line.
c. Print each character of the name variable on a separate line
d. Generates run time error.

64. Match Set A with Set B
Set A
i) FormBorderStyle to Fixed Single
ii) MaximizeBox and MinimizeBox set to False
iii) Text property
iv) Name peoperty.

Set B
a) To change label content.
b) To change the title of the text
c) Resdtict to change the size of the form.
d) Control buttons will not be visible.

a. i - c, ii - b, iii - a, iv - d
b. i - c, ii - d, iii - a, iv - b
c. i - d, ii - c, iii - a, iv - b
d. i - c, ii - d, iii - b, iv – a

65. Match the following Set A exception property with Set B its descripion
Set A
i) Message
ii) TargetSite
iii) HelpLink
iv) Source

Set B
a) read-only string property that holds the method that threw the exception
b) string indicating the link to help for this exception
c) string containing the name of an object that generated the error
d) string that contains a description of the error, suitable for displaying to users

a. i -c, ii - a, iii - b, iv - d
b. i -a, ii - d, iii - b, iv - c
c. i -d, ii - b, iii - a, iv - c
d. i -d, ii - a, iii - b, iv – c

66. Arrange the order how to add a reference to the data object in VB 2005
i) Click OK
ii) Then click Add reference
iii) click project from the menu bar
iv)From the dialogue box, select the .NET tab. Scroll down and select the System.Data item

a. iv, iii, i, ii
b. iii, i, ii, iv
c. iii, ii, iv, i
d. iv, ii, i, iii

67. Arrange the following in a sequence to add a new row to the data set.
i) Create an Object from this variable by using the
ii) Create a DataRow variable
NewRow() method of the DataSet Tables property
iii) Use the Add method of the DataSet to add the new row
iv) Assign values to the Items in the new Row
a. ii, i, iv, iii
b. iii, iv, i, ii
c. ii, iii, i, iv
d. ii, iv, iii, i

68. State the following statements True/False
i) You can not create two controls of the same class and assign them an identical Name property
ii) Controls that belong to the same control array share the same set of event procedures

a. False, False
b. True, False
c. False, True
d. True, True

69. elements will be used inside the control. _____ properties affects the line which is drawn. The
_____ property affects how the end user can modify the text associated with each Node object.
a. LabelEdit, Style, LineStyle
b. LineStyle, Style, LabelEdit
c. LabelEdit, LineStyle, Style
d. style, LineStyle, LabelEdit

70. Add([Index], [Key], [Text], [Icon], [SmallIcon]) As ListItem where
i) Index: is the position at which you place the new item
ii) Key: is the inserted item's optional key in the ListItems collection
ii) Text : is the string displayed in the control
iv) SmallIcon: is an index or a key in the ImageList control

a. True, True, True, True
b. True, False, True, True
c. True, True, False, True
d. False, True, True, True

71. Match the following
Set A
i) Abstraction
ii) Encapsulation
iii) Polymorphism
iv) Inheritance

Set B
a) hides the internal implementation of an abstraction within the particular object
b) manages the complexities of a business problem by allowing you to identify a set of objects
involved with that business problem
c) which allows you to reuse the interface of a class, but not its implementation
d) provides for multiple implementations of the same method.

a. i - b, ii - d, iii - a, iv - c
b. i - b, ii - c, iii - d, iv - a
c. i - d, ii - a, iii - b, iv - c
d. i - b, ii - a, iii - d, iv – c

72. Match Set A Access Modifier with Set B - its meaning
Set A
i) Friend
ii) protected
iii) protected friend
iv) public

Set B
a) All code that can access an object based on this class can access this member
b) Access is limited to the current assembly or types derived from the parent class
c) Access is limited to objects of the parent class type and objects of the type of any of its descendents
d) Access is limited to code in the current assembly

a. i -a, ii - c, iii - b, iv -d
b. i -b, ii - c, iii - d, iv -a
c. i -c, ii - d, iii - b, iv -a
d. i -d, ii - c, iii - b, iv –a

73. Find the ouput of the following
Dim o As String = "ABCD"
Dim p As String = "ABCD"
Dim q As String = "EFGH"
Console.WriteLine(Object.ReferenceEquals(o, p))
p = q
Console.WriteLine(Object.ReferenceEquals(p, q))
Console.WriteLine(Object.ReferenceEquals(o, p))

a. True, True, False
b. True, False, False
c. True, True, True
d. Syntax error

74. Match the following
Set A
i) Sleep method
ii) interrupting a thread
iii) killing a thread
iv) Daemon thread

Set B
a) It is occasionally useful to direct a thread to check a condition variable to decide if it should end abnormally
b) create a background thread if you want to have a thread that listens for data, but you want this to happen only as long as there is some code that can process the data running in other threads.
c) can be cosidered as another example of blocked thread.
d) Using either Suspend or Abort is likely to leave your programs in an unstable state

a. i -c, ii - b, iii - d, iv – a   b. i -a, ii - c, iii - d, iv - b
c. i -c, ii - a, iii - d, iv – b   d. i -d, ii - a, iii - c, iv – b

75. State the following statements True/False pertaining to thread
i) A thread runs an object, not a procedure
ii) A single object can have multiple threads running different or even the same methods

a. True, True
b. True, False
c. False, False
d. False, True

Answer Keys

1 B	2 D	3 A	4 A	5 C	6 B	7 D
8 B	9 A	10 C	11 D	12 D	13 B	14 C
15 A	16 D	17 B	18 A	19 D	20 B	21 C
22 D	23 B	24 C	25 B	26 D	27 C	28 D
29 B	30 A	31 A	32 D	33 C	34 D	35 B
36 D	37 B	38 C	39 D	40 B	41 C	42 A
43 B	44 D	45 B	46 D	47 B	48 D	49 C
50 B	51 A	52 C	53 B	54 A	55 A	56 B
57 C	58 C	59 C	60 A	61 C	62 B	63 C
64 B	65 D	66 C	67 A	68 C	69 D	70 A
71 D	72 D	73 A	74 C	75 D		