Subject:**BCA**
Paper name: **GUI Programming**
Paper No: **BCA 405**
Semester: **IV Semester**

A. Multiple choice questions

1. Which of the following components of the .NET framework provide an extensible set of classes that can be used by any .NET compliant programming language?
    a) .NET class libraries.
    b) Component Object Model
    c) Common Language Runtime
    d) Common Type System

2. Which of the following constitutes the .NET Framework?
    i)   ASP.NET Applications
    ii) CLR
    iii) Framework Class Library
    iv) WinForm Applications
    a) i and ii
    b) ii and iii
    c) ii and iv
    d) i and iv

3. Code that targets the Common Language Runtime is known as
    a) Managed Code
    b) Native Code
    c) Unmanaged code
    d) Distributed code

4. Which of the following statements is correct about the .NET Framework?
    a) .NET Framework uses DCOM for achieving language interoperability.
    b) .NET Framework uses DCOM for making transition between managed and unmanaged code.
    c) .NET Framework uses COM+ services while creating Distributed Applications.
    d) .NET Framework uses DCOM for creating unmanaged applications.

5. What is Which of the following jobs are done by Common Language Runtime?
    i) It provides core services such as memory management, thread management, and remoting.
    ii) It enforces strict type safety.
    iii) It provides Code Access Security.
    iv) It provides Garbage Collection Services.
    a) i and ii
    b) ii and iii
    c) i and iv
    d) All of the above

6. Which of the following statement is not correct?
    a) Net provides cross language interoperability using code access security
    b) Assembly is a logical unit of deployment
    c) CLR executes manage code
    d) CLR is an execution engine of .NET

7. Which of the following security features can .NET applications avail?
    a) Authentication Security
    b) PIN Security
    c) Code Access Security
    d) Biometric Security

8. The default data type of VB
    a) variant
    b) integer
    c) decimal
    d)character

9. A variable which is declared inside a method is called a_____variable?]
    a) global
    b) static
    c) local
    d) private

10. A GUI
    a) uses buttons, menus, and icons
    b) should be easy for a user to manipulate
    c) stands for Graphic Use Interaction
    d) both (a) and (b)

11. Which is not a main component of the Visual Studio IDE?
    a) Solution Explorer
    b) Start Menu
    c) Tool Box
    d) Designer Window

12. The .Net class library?
    a) contains over 25,000 classes
    b) uses namespaces to manage all of the classes
    c) Both a and b
    d) None of the above

13. int keyword targets to which .Net type?
    a) System.Int8
    b) System.Int16
    c) System.Int32
    d) System.Int64

14. Which of the following Loop structure does not supported by VB.Net?
    a) for each__while
    b) for__next
    c) do____loop
    d) do__while

15. The function procedures are _____ by default.
    a) Private
    b) Protected
    c) Public
    d) Inherited

16. The Methods which loads the form into memory and displays it on screen
    a) Load
    b) Display
    c) Show
    d) None of these

17. MDI stands for
    a) Multiple Design Interface
    b) Multiple Document Interface
    c) Menu Design Interface
    d) Manipulated Document Interface

18. _____ indicates whether a particular condition is on or off
    a) Combo Box
    b) Check Box
    c) List Box
    d) Text Box

19. _____ method removes a dialog box from view
    a) Disable
    b) Enable
    c) Hide
    d) None of these

20. The _____ is a tool used for both the Input and output purpose
    a) Command Button
    b) Combo Box
    c) Text Box
    d) Tool Box

21. _____ is property is used to hide the content in textbox with some symbols.
    a) Caption
    b) Hidden
    c) Text
    d) Password char

22. _____ method is used to retrieve the stored text from the clipboard.
    a) Addtext
    b) Inputtext
    c) Gettet
    d) Puttext

23. _____ control displays current directory with any sub directories and allows the user to change directly.
    a) Drive List Box
    b) Directory List Box
    c) File List Box
    d) All of the above

24. ____ event occurs when a form loaded into the memory.
   a) Activate
   b) Load
   c) Open
   d) None of the above

25. _____ method is used to forcibly set the CPU focus to a particular control.
   a) Getfocus
   b) Setfocus
   c) both a and b
   d) None of the above

26. ____ box provides a set of choices to the user
   a) Combo
   b) Command
   c) List
   d) Text

27. The _____ property in Visual basic is common for many a tools
   a) Name
   b) Text
   c) status
   d) location

28. The _____control used to insert image to the form
   a) Shape
   b) Text Box
   c) Picture
   d) command

29. The Line method can be used to draw _____ shape in VB
   a) circle
   b) oval
   c) rectangle
   d) ellipse

30. Option button can be grouped in a _____control
   a) Frame
   b) Label
   c) Text Box
   d) List

31. _____ cannot be declared in a form or class module.
    a) Private Constant
    b) Public Constant
    c) Static Constant
    d) None of the above

32. Which statement about objects is true?
    a) There is no relationship between objects and classes
    b) One object can create many classes.
    c) One object is used to create one class
    d) One class can create many objects.

33. Which of the following is part of an object?
    a) Methods
    b) Properties
    c) Both a and b
    d) None of the above

34. How many constructors can a class have?
    a) 1
    b) 2
    c) 3
    d) All of the above

35. Encapsulation makes it easier to
    a) reuse and modify existing modules of code.
    b) write and read code by sharing method names.
    c) hide and protect data from external code.
    d) both a and b

36. What are the features of an abstract class?
    a) It contain instance variables
    b) It contain constructors
    c) It contain instance variables
    d) All of the above

37. Two methods with the same name but with different parameters?
     a) Loading
     b) Multiplexing
     c) Double
     d) Overloading

38. What is the output of the code public class B : A { }?
     a) It defines a class that inherits all the methods of A but the private members cannot be accessed
     b) Compile error
     c) It defines a class that inherits the public methods of A only
     d) Both b and c

39. Sealed Classes cannot be a base class?
     a) True
     b) False
     c) Both
     d) None

40. What does the keyword virtual mean in the method definition?
     a) The method is static
     b) The method is public
     c) The method can be over-ridden
     d) The method can be derived

41. We can add methods, fields and events to our control in the same way as we add member to a class?
     a) True
     b) False
     c) Both a and b
     d) None of these

42. A class can be
     a) Private
     b) Protected
     c) Public
     d) All of the above

43. _____namespace in vb.net includes classes and interfaces that return information about types, methods and fields and also have the ability to dynamically create and invoke types.
    a) System
    b) System.Reflection
    c) System.Collection
    d) System.Net

44. namespace in vb.net provides an interface to many of the protocols used on the internet
    a) System
    b) System.Reflection
    c) System.Collection
    d) System.Net

45. Classes from which namespace will have to be used to read or write to a file ?
    a) System.IO
    b) System.Input/Output
    c) System.FileObjects
    d) System.FileSystem

46. _____is built on a disconnected data model that uses snapshots of data that are isolated from the data source.
    a) ADO
    b) ADO.NET
    c) RDO
    d) RDO.NET

47. Objects of ADO.Net
    a) DataReader
    b) DataSet
    c) Both a and b
    d) None of the above

48. Which of the following is not the method of DataAdapter?
    a) Fill
    b) FillSchema
    c) ReadData
    d) Update

49. Which of the following is not true about ADO.NET?
    a) ADO.NET doesn't support disconnected architecture
    b) The classes of ADO.NET are defined in the System.Data namespace
    c) ADO.NET uses XML to transfer data across applications and data source
    d) ADO.NET enables to create distributed data sharing applications

50. Which of the following event(s) is/are exposed by the DataTable object?
    a) ColumnChanged
    b) RowChanging
    c) RowChanged
    d) All of the above

51. Which of the following is the method provided by the DataSet object to generate XML?
    a) PutXML
    b) ShowXML
    c) ReadXML
    d) None of the above

52. Which one is the method of Connection object in ADO.Net?
    a) ConnectionOpen()
    b) new()
    c) Open()
    d) None of these

53. On which object we set the properties to create a primary key for DataTable?
    a) DataColumn
    b) DataTable
    c) DataRelation
    d) DataSet

54. Syntax for closing the connection in ADO.net is :
    a) sqlConnclose()
    b) sqlConn.Close()
    c) sqlConnectionCose()
    d) sqlconnection.close()

55. Through _____Controls we can access information in the databases
    a) Databound Control
    b) Data Control
    c) Report
    d) Wizard

56. _____ works as a bridge between data source and data set.
    a) Data Adapter
    b) Data Provider
    c) Data Reader
    d) Data Relation

57. What is the full form of ADO
    a) Active Data Object
    b) ActiveX Data Object
    c) Active Data Objective
    d) ActiveX Data Objective

58. What is the full form of XML?
    a) Extension Mark Language
    b) Extensible Mark Language
    c) Extension Markup Language
    d) Extensible Markup Language

59. The Data Report designer is broken into _____ different sections
    a) 2
    b) 6
    c) 8
    d) 10

60. ADO.Net provides the ability to process and create an in-memory database which is called___
    a) DataSets
    b) Relation
    c) Tables
    d) Views

61. Which of the following is not an ASP.NET page event?
    a) Disposed
    b) Import
    c) init
    d) Load

62. Which of the following directive is used to link an assembly to a page or user control?
    a) @Assembly
    b) @Import
    c) @Page
    d) @Reference

63. Which of the following server control shows data in a tabular format and allows sorting, paging, edit, delete each record?
    a) GridView
    b) ListView
    c) TableView
    d) None of the Above

64. Which of the following object is not an ASP component?
    a) AdRotator
    b) Counter
    c) File Access
    d) LinkCounter

65. What class does the ASP.NET Web Form class inherit from by default?
    a) System.Web.Form
    b) System.Web.UI.Form
    c) System.Web.UI.Page
    d) System.Web.GUI.Page

66. We can manage states in asp.net application using
    a) Viewstate
    b) Session Objects
    c) Application Objects
    d) User Objects

67. File extension used for ASP.NET files?
    a) .asp
    b) .aspx
    c) .aspnet
    d) .aspt

68. What is [overtype the text
    a) asp:text
    b) asp:label
    c) asp:list
    d) asp:button

69. Default Session data is stored in ASP.Net
    a) Session State
    b) Session Object
    c) Server State
    d) Server Object

70. Default scripting language in ASP
    a) PythonScript
    b) JavaScript
    c) VBScript
    d) Pearl

71. What Which object can help you maintain data across users
    a) Session Object
    b) Application Object
    c) Response Object
    d) Server Object

72. There can be only one Global.asax file per object
    a) True
    b) False
    c) Both
    d) None

73. What is the last event of web page life cycle?
    a) Page_Finish
    b) Page_Load
    c) Page_LoadComplete
    d) Page_Unload

74. ByDefault ASP.Net SessionID is stored in
    a) Application variable
    b) Cookies
    c) Session
    d) ViewState

75. Which object in ASP.NET provides a global storage mechanism for state data that needs to be accessible to all pages in a given Web application
    a) ViewState
    b) Cookies
    c) Session
    d) Application

B. Fill up the blanks

1. _____ is an environment for developing, building, deploying and executing Desktop Applications, Web Applications and Web Services.
2. CLR is the .NET equivalent of _____
3. _____ defines standard rules for defining .Net compliant languages
4. The window in which the individual documents are displayed is called _____window.
5. _____ is the process of finding and removing errors
6. A _____control in visual basic is used to create applications that present information in rows and columns
7. A _____ performs invisible tasks even if you write no code. _____ correct answer
8. Properties are used to represent_____
9. A _____ is a collection of properties and methods
10. In Vb.net, data is handled through_____ which facilitates development of web applications.
11. The DataSet object is a _____ storage.
12. ADO.Net provides the ability to process and create an in-memory database which is called_____
13. In ASP.NET web application configuration settings are defined in_____
14. _____server control is used to display advertisements in ASP.NET a webpage?
15. The first event triggers in an aspx page is_____

Key Answers

A. Multiple choice questions [replace x]

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

B. Fill up the blanks [replace x]

1. .NET Framework
2. Java Virtual Machine
3. Common Language Specification (CLS)
4. Child
5. Debugging
6. MSFlexGrid
7. Constructor
8. Data
9. Class
10. ADO.NET
11. Disconected
12. DataSets
13. Web.config
14. AdRotator
15. Page_Init()