

PG DEPARTMENT OF COMMERCE (CA)

QUESTION BANK

COURSE: B.Com (CA)

SEMESTER : IV

SUBJECT CODE: 17UCC411

SUBJECT: VISUAL BASIC

K1 LEVEL

1. Visual Basic is a tool that allows you to develop application in
a) Real time **b) Graphical user interface** c) Menu driven d) None of the above
2. IDE stands for
a) **Integrated development environment** b) Integrated dual environment
c) Internet development environment d) Integrated desktop environment
3. Which windows displays a list of all forms and modules making up your application
a) **Project Window** b) Properties Window
c) Form Layout Window d) None of the above
4. Properties can be viewed in two ways
a) **Alphabetic and categorized** b) Alphabetic and Numeric
c) Numeric and Alphanumeric d) All the above
5. Which of the following windows is the central to the development of visual basic applications
a) Project Window **b) Form Window** c) Properties Window d) None of the above
6. Which of the following provides quick access to commonly used commands in the programming environment
a) Tool box
b) Object browser
c) Tool bar
d) None of the above
7. In _____ window we can write code.
a) Immediate Window b) Local Window **c) Code Editor Window** d) All the above
8. _____ is used for finding out about objects, Properties and methods.
a) Object browser b) Property window c) Form layout window d) Code window
9. The form module has file extension
a) .frm b) .frb c) .fru d) .fra
10. A text box can hold as many as _____ characters for a single line text.

- a) 2052
 - b) **2048**
 - c) 2058
 - d) 2047
11. A text box can hold as many as _____ characters for a multi-line text.
- a) 42000
 - b) 48000
 - c) 23000
 - d) **32000**
12. _____ control is used to provide an identifiable grouping for other controls.
- a) **Frame**
 - b) Label
 - c) List box
 - d) Command button
13. _____ property is used to set the maximum length of a text, a text box can hold
- a) **Max length**
 - b) Length
 - c) Multiline
 - d) None of these
14. _____ Control is used to display text, but user cannot change it directly.
- a) Text box
 - b) **Label box**
 - c) List box
 - d) Command button
15. The default data type for visual basic is _____
- a) Integer
 - b) Boolean
 - c) **Variant**
 - d) String
16. In visual basic, a variable name cannot be more than _____ characters.
- a) 450
 - b) **255**
 - c) 355
 - d) 560
17. We can preserve the value of a local variable by making the variable _____
- a) Private

- b) Public
 - c) **Static**
 - d) Implicit
18. _____ cannot be declared in a form or class module
- a) **Public Constants**
 - b) Static Constants
 - c) Private Constants
 - d) None of the above
19. _____ arrays can be resized at any time.
- a) **Dynamic**
 - b) Fixed
 - c) Multidimensional
 - d) None of the above
20. _____ is a block of code that is executed in response to an event.
- a) Function procedure
 - b) **Sub procedure**
 - c) Property procedures
 - d) All of the above
21. _____ function is used to return a copy of a string without leading spaces.
- a) **Ltrim**
 - b) Rtrim
 - c) Trim
 - d) Chr
22. All the following statements are true about variables scope except
- a) Module
 - b) Global
 - c) **Static**
 - d) Local
23. The variables that does not change the value during execution of program is _____
- a) Numeric
 - b) **Constant**
 - c) String
 - d) All of the above
24. What is the output of the following code: mystring = "Hello Chittu" Leftstring =left(mystring,3)
- a) **Hel**
 - b) Hello Chittu
 - c) Chittu
 - d) Chi

25. _____ is a control related event.
a) Key down b) Load c) Terminate **d) Gotfocus**
26. When the form is first referenced in any manner by program, the triggered event is ____
a) Load
b) Initialize
c) Activate
d) None of the above
27. _____ returns or sets the number of characters selected.
a) SelLength
b) Selstart
c) Seltext
d) None of the above
28. _____ combines the features of the text box and list box.
a) Picture box
b) Check box
c) Option button
d) Combo box
29. _____ property is an integer value corresponding to the position of the scroll box in the scroll bar.
a) Value
b) Change
c) Visible
d) None of the above
30. By default, the textbox control can hold text as
a) Multiple lines
b) Single line
c) Password character
d) None of the above
31. What is the default range of horizontal scroll bar.
a) 0 to 32767
b) -32768 to 32767
c) -32768 to 0
d) None of the above
32. A _____ displays a list of items from which user can select one or more items.
a) Combo box
b) List box

- c) Check box
- d) Scroll bar

33. _____ is a method which moves the focus to the specified control or form

- a) **Setfocus**
- b) Gotfocus
- c) Lostfocus
- d) None of the above

34. In visual basic _____ is the extension to represent project file.

- a) .frm
- b) .cls
- c) **.vbp**
- d) .vb

35. Variables are named stored locations in memory, the value of which does not change during program

- a) Debug
- b) Design
- c) **Execution**
- d) None of the above

36. _____ is a collection of files

- a) Class
- b) Group
- c) **Project**
- d) All of the above

37. _____ Contains shortcuts to frequently performed actions.

- a) **Context menu**
- b) Menu bar
- c) Tool bar
- d) Tool box

38. _____ are objects that are placed on form objects.

- a) GUI
- b) IDE
- c) **Controls**
- d) Project

39. In GUI, _____ is a means of selecting one of several options.

- a) Scroll bar
- b) List box

c) **Option button**

d) Combo box

40. _____ is a group of controls that share the same name and type.

a) Fixed array

b) **Control array**

c) Dynamic array

d) Multidimensional array

41. To declare a variable, use the _____ statement followed by the variable's name, the As keyword, and its type,

a) **Dim**

b) Dim as

c) integer

d) String

42. The data type of the variable is defined by using the ----- clause

a) in

b) where

c) **as**

d) is

43. ----- is the operator used for string concatenation

a) Cat

b) Str

c) ^

d) **&**

44. Logical operators are also called _____ operators

a) Boolean

b) Relational

c) Comparison

d) **String**

45. In Select Case _____ Case is used to define codes that executes, if the expression does not evaluate to any of the Case statement

a) Default

b) Otherwise

c) Else

d) **False**

46. _____ data type can be used for currency values

a) Dollar

- b) Object
- c) Decimal
- d) Currency**

47. Which function returns the system's current date and time

- a) DateTime.Now**
- b) DateTime.Today
- c) DateTime.System
- d) DateTime.Current

48. What statement is used to close a loop started with For statement?

- a) Close
- b) End For**
- c) Loop
- d) Next

49. What statement is used to terminate a Do..Loop without evaluating the test expression?

- a) End Do
- b) Loop
- c) Exit
- d) Exit Do**

50. ----- method is creating a new String object with the same content

- a) CopyTo()
- b) Copy()**
- c) Format()
- d) Compare()

51. The ----- function remove an item from a specified position

- a) Add
- b) Insert ()
- c) Remove At
- d) Remove**

52. The String data type comes from the ----- class

- a) System. String**
- b) System
- c) System. Forms
- d) System. Array

53. The String is -----

- a) Locatable
- b) Mutable
- c) Immutable**
- d) Notable

54. The ----- function in String Class will insert a String in a specified index in the String instance.

- a) Length ()
- b) Insert ()**
- c) Length ()
- d) Format ()

55. Which of the following when turned on do not allow to use any variable without proper declaration?

- a) Option Restrict
- b) Option Explicit**
- c) Option Implicit
- d) Option All

56. Which of the following methods can be used to add items to an ArrayList class?

- a) Insert method
- b) Collection method
- c) Top method
- d) Add method**

57. Parameters to methods in VB.NET are declared by default as -----

- a) ByVal**
- b) ByRef
- c) Val
- d) Ref

58. Which of the following does not denote a arithmetic operator allowed in VB.Net?

- a) Mod
- b) /
- c) *
- d) ~**

59. Which of the following denote the method used for compatible type conversions?

- a) Type Cov ()
- b) Type ()
- c) CType ()
- d) CType ()**

60. Which of the following does not denote a data type in VB.Net?

- a) Boolean
- b) Float**
- c) Decimal
- d) Byte

61. The format used for Date is -----

- a) {0:D}**
- b) {0:T}
- c) {0:DD}
- d) {0:Dy}

62. The format used for Time is -----

- a) {0:D}
- b) {0:T}**
- c) {0:TT}
- d) {0:TTY}

63. _____ is an alternative to If...Then....Else.

- a) select...case**
- b) case...select
- c) select
- d) Case

64. Do Loop While Statement executes a set of statements and checks the condition, this is repeated until the condition is true. .It is also known as _____

- a) Exit control**
- b) Entry control
- c) Control
- d) Loopback

65. _____ is the value range of integer

- a) -32767 to 32768
- b) -32768 to 32767**
- c) 32767 to -32768
- d) 32768 to -32767

66. _____ are used for storing values temporarily.

- a) Character
- b) Constant
- c) Variable**
- d) Module

67. _____ is the value range of byte

- a) 0 to 255**

- b) 1 to 255
- c) 0 to 266
- d) 1 to 266

68. The _____ statement first executes the statement and then tests the condition after each execution

- a) Do....while**
- b) While....do
- c) Select....case
- d) While

69. _____ structure executes the statements until the condition is satisfied

- a) Do...loop
- b) Do..loop until**
- c) Do while...loop
- d) If...else

70. Do...loop until is ----- loop

- a) Finite
- b) Infinite**
- c) Long
- d) Small

71. _____ function retrieves only data

- a) For...next**
- b) Next...for
- c) Exit for
- d) Exit do

72. A sequence of variables by the same name can be referred using _____

- a) Arrays**
- b) Modules
- c) Sub-routines
- d) Functions

73. _____ operator in VB is used for string concatenation

- a) &**
- b) *
- c) +
- d) |

74. Objects that can be placed on a form are called _____

- a) Pictures
- b) Tools
- c) Buttons**
- d) Controls

75. How many parent form will be in MDI
- a) **1**
 - b) 2
 - c) 0
 - d) many
76. The default event of the Check Box is -----
- a) Click
 - b) **Checked Change**
 - c) Changed
 - d) Double Click
77. Radio Button control is based on the ----- class
- a) Stirng
 - b) TextBoxBase
 - c) **ButtonBase**
 - d) Windows
78. The List Box control is based on the ----- class
- a) String
 - b) Text Box Base
 - c) Button Base
 - d) **List Control**
79. Visual Basic responds to events using which of the following?
- a) a code procedure
 - b) **an event procedure**
 - c) a form procedure
 - d) a property
80. When the user clicks a button, _____ is triggered.
- a) **an event**
 - b) a method
 - c) a setting
 - d) a property
81. What property of controls tells the order they receive the focus when the tab key is pressed during run time?
- a) Focus order
 - b) Focus number
 - c) **Tab index**
 - d) Control order

82. Which of the properties in a control's list of properties is used to give the control a meaningful name?

- a) Text
- b) Context Menu
- c) Control Name
- d) **Name**

83. MSIL stands for_____

- a) Mainframe Software Intermediate Language
- b) Mini Software Intermediate Language
- c) **Microsoft Intermediate Language**
- d) Micro Software Intermediate Language

84. To develop a form, you use the_____

- a) Server Explorer
- b) Toolbox
- c) Form Designer Window
- d) **Code Editor Window**

85. An_____ is a self-contained unit that combines code and data

- a) Forms
- b) **Object**
- c) Class
- d) None of the above

86. is the code that defines the characteristics of an object.

- a) Object
- b) **Class**
- c) Forms
- d) None of the above

87. One Property that applies only to a combo box is the _____

- a) DropDownList
- b) DownStyle
- c) **DropDownStyle**
- d) None of the above

88. The _____ will build a SQL string for You

- a) **Command Builder**
- b) Connection Builder

- c) Data Builder
- d) All of the Above

89. CBD stands for

- a) **Component-based development**
- b) Common –based development
- c) Computer-based development
- d) None of the above

90. Decimal takes_____

- a. 2 bytes
- b. 16 bytes
- c. 8 bytes**
- d. 4 bytes

91. Visual Basic Supports at least_____ array dimensions

- a) 30
- b) 20
- c) 60**
- d) 2

92. The ListView Control supports _____ basic view nodes

- a) 4**
- b) 6
- c) 8
- d) 2

93. _____arrays can be resized at any time

- a) Dynamic**
- b) Fixed
- c) Multidimensional
- d) Control array

94. _____is a block of code that is executed in response to an event

- a) Function procedure
- b) Sub procedure
- c) Property procedures
- d) All the above**

95. _____ Combines the features of the text box and list box

- a) Picture box
- b) Check box
- c) Option button
- d) Combo box**

96. _____ is a control related event
- a) key down
 - b) load
 - c) Terminate
 - d) **Got focus**
97. A _____ displays a list of items from which user can select one or more items
- a) combo box
 - b) **list box**
 - c) check box
 - d) scroll box
98. _____ is a method which moves the focus to the specified control or form
- a) **Set focus**
 - b) Got focus
 - c) Lost focus
 - d) None of these
99. Storage size of byte datatype is _____
- a) **1 byte**
 - b) 2 byte
 - c) 3 byte
 - d) 4 byte
100. _____ are objects that are placed on form objects.
- a) GUI
 - b) IDE
 - c) **Controls**
 - d) Project

K2 QUESTIONS

1. Portray Client.

Denoting a computer system in which a central server provides data to a number of networked workstations.

2. Explain the term server.

A server is a network – connected computer system that provides services to network users.

3. Describe the term Downsizing.

Downsizing initiatives focus on the replacement of mainframe systems with most flexible and cost effective technical platform

4. Explain Upsizing.

Many smaller to midsize firms that have their mission-critical database applications residing on file server are upsizing to client/server.

5. Discuss the term Tier.

Tiers are the physical platforms on which client and server application layer reside. A first generation of client/server application utilizes two collaborating computing platforms.

6. Summarize Event Driven programming.

The application developers must decide how the application must react to the each of the user actions. This is called Event driven programming.

7. Expand IDE.

Integrated Development Environment

8. Describe properties window.

9. Explain the term form layout window.

The term layout window helps to position the forms of an application using a small graphical representation of the screen. This window is very useful in the application that uses multiple forms.

10. Illustrate immediate window.

The immediate window is debugging aid. While an application is running it can be paused and immediate window can be used to change the value of the application variable.

11. Depict the term data type.

By default **Visual Basic** variables are of variant **data types**. The variant **data type** can store numeric, date/time or string **data**. ... The fundamental **data types in Visual**

Basic including variant are integer, long, single, double, string, currency, byte and boolean.

12. Explain the term function.

A function is similar to a subroutine, but a function returns a result. Functions commonly carry out calculations and report the result.

13. Explain message box function.

Message box is used to display a message in a dialog box, waits for the user to click a button and returns a integer indicating which button user clicked.

14. Interpret Controls.

An object placed on the form by using the button in the toolbox.

15. Describe menu bar.

The menu bar contains the commands needed to work with the visual basic 6.0

16. Explain the term Module.

Code that is attached to a form is accessible from anywhere on that form but the program may have more than one form. It will sometimes necessary to have the program code that can be reached from any form and in this case the code would be on the module.

17. Discuss about ADO Data Control.

The ADO (Active X Data object) data control is the primary interface between a visual basic application and a database. It can be used without writing any code at all or it can be a central part of a complex database management system.

18. Illustrate Report.

A report is an effective way to present data in a printed form.

19. What is the purpose of using Command button?

The purpose of using command button is to carry out a command or action when a user chooses it.

20. Explain toolbar.

Tool bar provide the quick access to commonly used commands in the programming environment. By default the standard toolbar is displayed when visual basic starts. Additional toolbars for editing, form design, and debussing can be toggled on or off from the toolbars Command on the view menu.

21. Describe class module.

Class modules (.cls) are similar to form except they are not visible to the user. The user can use the class modules to create their own objects that include code for methods and properties that are associated with the object that they define.

22. Explain List Box.

The List Box represents a Windows control to display a list of items to a user. A user can select an item from the list. It allows the programmer to add items at design time by using the properties window or at the runtime.

23. Discuss the types of record set.

There are three types of record set they are table record set, dynaset and snapshots.

24. List the types of Dialog Box.

There are three types of dialog boxes: modeless, modal and system modal.

25. Illustrate MDI form.

The Multiple Document Interface (MDI) was designed to simplify the exchange of information among documents, all under the same roof. With the main application, you can maintain multiple open windows, but not multiple copies of the application.

26. Explain single Document Interface.

This is a term which is known as Single Document Interface and is a Graphic User Interface which is able to show one document at a time on the screen. Any type of program which does not have the ability to show more than one document is considered to be an SDI type of user interface.

27. Explain OLTP.

Online OLTP (online transaction processing) is a class of software programs capable of supporting transaction-oriented applications on the Internet.

28. Illustrate Constants.

Constants are data items whose value cannot be changed. A constant is of numeric or non-numeric type.

29. Interpret Array.

An **array** is a set of values, which are termed elements, that are logically related to each other

30. Illustrate variable.

A variable is a named storage location that can contain a value which can be modified during the program execution. A variable is a special container used to store numbers and names.

31. Give the rules for declaring variables.

- Must be unique within scope.
- Must begin with a letter or the underscore _ character.
- May not contain embedded spaces or many special characters (. , “ - \$ # * and others). The underscore _ is a valid character.
- May not be a reserved word.

32. Write the common events used in intrinsic controls.

Click, double click, key down, key press, key up, mouse down, mouse move

33. Write the common methods used in intrinsic controls.

Drag, Refresh, move, Set focus,

34. Portray control array.

A control array is a group of related controls in a Visual Basic form that share the same event handlers. Control arrays are always single-dimensional arrays, and controls can be added or deleted from control arrays at runtime.

35. Depict the term form.

Forms essentially provide the windows that make up a Windows application. In fact, the terms window and form are often used interchangeably. Forms allow the Visual Basic developer to create windows and layout controls (such as buttons, labels etc) in those forms to provide the application's user interface.

36. Expand DAO.

Data Access Objects

37. Describe implicit declaration.

It is not compulsory to declare all the variables in advance before it can be referenced in the program. It can use the variable directly when it is required. When the

compiler finds a variable that is not declared, it will automatically create a new variable of type object.

38. Explain explicit declaration

It is compulsory to declare all the variables in advance before it can be referenced in the program. It can also declare the variable explicitly before it is referenced in the program. This type of technique is known as explicit declaration of variable

39. Describe the term subroutine.

Subroutines are another word for methods, and this code blocks that will be executed by your application as you call them elsewhere in your applications.

40. What is the use of controls?

Controls are used to receive user input and display output and has its own set of properties, methods and events

41. what is meant by record set in VB.

A record set is a data structure that consists of a group of database records, and can either come from a base table or as the result of a query to the table. The concept is common to a number of platforms, notably Microsoft's Data Access Objects (DAO) and ActiveX Data Objects (ADO).

42. Explain the term event.

An event is a message sent by an object within a program to the main program loop, informing it that something has happened.

43. Give the uses of text box.

A Text Box control is used to display, or accept as input, a single line of text. VB.Net programmers make extensive use of the Text Box control to let the user view or enter large amount of text.

44. Write the important methods of the form.

Show and hide

45. Give the main difference between picture and image box control

picture box:-

- 1) it act as container control
- 2) It Is use of memory to store the picture
- 3) Editing of picture is possible in picture box

Image Box

- 1) it is not act as container control
- 2) It is not use of memory to store the picture
- 3) Editing of picture is not possible in picture box

46. What is the use of check box?

The Check Box control allows the user to set true/**false** or yes/no type options.

The user can select or deselect it. When a check box is selected it has the value True, and when it is cleared, it holds the value **False**.

47. Expand ADODC.

Activex Data Objects Data Control

48. Explain the term operator.

An operator is a symbol that tells the compiler to perform specific mathematical or logical manipulations. VB.Net is rich in built-in operators and provides following types of commonly used operators – Arithmetic Operators. Comparison Operators . Logical/Bitwise Operators.

49. Describe report designer.

Use the report designer to create and modify reports. When the report designer window is active, visual basic 6.0 displays report control toolbar.

50. Give the uses of option explicit.

Option Explicit statement ensures whether the compiler requires all variables to be explicitly declared or not before it use in the program. The Option Explicit has two modes. On and Off mode. If Option Explicit mode in ON, you have to declare all the variable before you use it in the program .

K3 QUESTIONS

1. Point out the benefits of Client / Server system.
2. Explain the concept of Downsizing
3. Explain the concept of Rightsizing.
4. Prepare the Client / Server Architecture.
5. Enumerate the steps involved to create a VB project.
6. Explain the common methods and events used in VB application.
7. List the rules in declaring a variable name.
8. Design a VB application to perform simple arithmetic operations.
9. List the reasons for preferring constants.
10. Illustrate if –then-else statement in VB with an example.
11. Write a program for counting number of words in VB.
12. Sketch the IDE in VB and explain its parts in detail.
13. Portray the various Client / Server models.
14. Explain the scope of a variable with suitable examples.
15. Design a VB application for calculating Simple and compound interest.
16. Examine the types of operators in Visual Basic.
17. Develop a VB application for calculating Employee Pay slip.
18. List out the steps involved to create a VB project
19. Explain the common methods and events used in VB application
20. State the rules in declaring a variable name.
21. Design a VB application to perform simple arithmetic operations.
22. Define constants.
23. Specify the reasons for preferring constraints.
24. Sketch the control flow statements.
25. Design a VB application for preparing the displaying picture.
26. List out the types of operators in Visual Basic.
27. State the rules in declaring a variable name.
28. Prepare the common methods and events used in VB application
29. Show the scope of a variable with suitable examples.
30. Sketch the IDE in VB and explain its parts in detail.

K4 & K5 Questions

1. Illustrate different types of Client / Server models.
2. Bring out the benefits of Client/Server technology.
3. Describe the Client / Server Architecture.
4. What do you mean by tier? Explain its types.
5. Sketch the IDE in VB and explain its parts in detail.
6. Discuss about moving to the Client/Server technology.
7. Explain the Components of VB project.
8. Project the scope of a variable with suitable examples.
9. What do you mean by a variable? Specify the types of variable.
10. Examine the types of operators in Visual basic.
11. Narrate different types of constant in VB.
12. Explain the control flow statements.
13. Explain the Data types and specify its range.
14. Explain looping statement in VB.
15. Explain the string related functions available in VB.
16. Describe List Box with an example.
17. Portray the command button with an example.
18. Explain the steps involved in creation of menu.
19. Explain about accessing and manipulating of database using DAO.
20. Explain the various methods available in record set object.
21. Examine the various data report controls.
22. Create an application for counting number of words.
23. Design a VB application for calculating Simple and compound interest.
24. Design a VB application for simple calculator.
25. Create an application for Employee pay slip.