

SOFTWARE DEVELOPMENT WITH VISUAL BASIC -17UEC412

KI LEVEL QUESTIONS

UNIT - I

1. Visual Basic is a tool that allows you to develop application in.....
 - a. Real time
 - b. Graphical User Interface**
 - c. Character User Interface
 - d. None of These
2. _____ method removes a dialog box from view.
 - a. Display
 - b. Disable
 - c. Hide**
 - d. Enabled
3. _____ is used for finding out about objects, properties and methods.
 - a. Object browser**
 - b. Form layout window
 - c. Code editor window
 - d. None of the above
4. _____ cannot be declared in a form or class module
 - a. Public constants**
 - b. Private constants
 - c. Static constants
 - d. None of these
5. _____ function is used to return a copy of a string without leading spaces.
 - a. Ltrim**
 - b. Rtrim
 - c. Trim
 - d. All of the above
6. _____ is a method which moves the focus to the specified control or form
 - a. Setfocus**
 - b. Gotfocus
 - c. Lostfocus
 - d. None of these
7. The default property for a text box control is _____
 - a. Text**
 - b. Password char
 - c. Multiline
 - d. Enable
8. The _____ is a tool used for both the Input and output purpose.
 - a. command button
 - b. text box**
 - c. label
 - d. combo box
9. In visual basic the declaration of variables is done by _____ key word.
 - a. int
 - b. dim**
 - c. static
 - d. declare
10. IDE stands for.....
 - a. Internet Development Environment
 - b. Integrated Dual Environment

c. Integrated Development Environment d. Integrated Desktop Environment

11. 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. All of the above

12. Properties can be viewed in two ways

a. Alphabetic and Categorized b. Alphabetic and Numeric c. Numeric and Alphanumeric

d. None of these

13. 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. All of the above

14. Which of the following provides quick access to commonly used commands in the programming environment?

a. Toolbox b. Object browser **c. Toolbar** d. None of these

15. In window we can write code

a. Immediate window b. Locals window **c. Code editor window** d. None of these

16. The form module has file extension.....

a .frm b. .frb c.fru d..fra

17. Control is used to provide an identifiable grouping for other controls

a. Frame b. Label c. List box d. Command button

18property is used to set the maximum length of a text, a textbox can hold

a. Maxlength b. Length c. Multiline d. None of these

19. control is used to display text, but user cannot change it directly.

a. Textbox **b. Labelbox** c. Listbox d. Commandbutton

20. The default datatype for Visual Basic is

a. Integer b. Boolean c. **Variant** d. String

UNIT -II

1. In Visual Basic, a variable name cannot be more than characters

a. 450 b. **255** c. 355 d. 560

2. We can preserve the value of a local variable by making the variable.....

a. Private b. Public c. **Static** d. Implicit

3. cannot be declared in a form or class module

a. **Public constants** b. Private constants c. Static constants d. None of these

4. arrays can be resized at anytime

a. **Dynamic** b. Fixed c. Multidimensional d. Control array

5. 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

6. The variables that does not change the value during execution of program is.....

a. Numeric b. **Constant** c. String d. All of the above

7. combines the features of the text box and list box

a. Picture box b. Check box c. Option button d. **Combo box**

8. 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

9. By default, the textbox control can hold text as

a. Multiple lines b. **Single line** c. Password character d. None of these

10. What is the default range of horizontal scroll bar?

a. **0 to 32767** b. -32768 to 32767 c. -32768 to 0 d. None of these

11. 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
12. modules can be reused in many different applications.
- a. Form modules b. Class modules **c. Standard modules** d. None of these
13. Storage size of Byte datatype is.....
- a. 1 byte** b. 2 byte c. 3 byte d. 4 byte
14. property is used to return or sets a value that determines whether the control can respond to user-generated events.
- a. Autosize **b. Enable** c. Visible d. Value
15. is a collection of files
- a. Class b. Group **c. Project** d. Form
16. shows the value of any variables within the scope of the current procedure.
- a. Immediate window **b. Locals window** c. Watches window d. None of these
17. Visual Basic maintains a project file with the extension.....
- a. .frm **b. .vbp** c. .vbs d. .cls
18. are objects that are placed on form objects.
- a. Gui b. Ide **c. Controls** d. Project
19. In GUI , is a means of selecting one of several options.
- a. Scroll bar b. List box **c. Option button** d. Combo box
20. indicates whether a particular condition is on or off.
- a. Combo box b. List box **c. Check box** d. None of these

UNIT -III

1. is a group of controls that share the same name and type.
a. Fixed array **b. Control array** c. Dynamic array d. Multi dimensional array
2. do not return a value
a. Sub procedure b. Function procedure c. Property procedures d. None of these
3. returns numeric code of a character.
a. Chr **b. Asc** c. Format d. Space
4. allows us to control the flow of our program's execution based on certain condition
a. Property b. Array c. Looping **d. Control structure**
5.property designates the text appearing in the form's title bar.
a. Text b. Name **c. Caption** d. None of these
6. The method, which loads the form into memory and displays it on screen
a. Load **b. Show** c. Display d. All of these
7. method is used to delete items from a list box.
a. Remove b. Clear **c. Remove item** d. Delete
8. The window in which the individual documents are displayed is called..... window.
a. Main **b. Child** c. Parent d. All of the above
9. Which window shows information that result from debugging statements in our code?
a. Watch window b. Variables window c. Locals window **d. Immediate window**
10. is the process of finding and removing errors
a. Check **b. Debugging** c. Quick watch d. Break
11. A..... is a place in the code where the program temporarily stops
a. Break b. Step over **c. Break point** d. Watch

12.loop repeats a group of statements for each item in a collection of objects or for each element of an array.

a. For loop b. Do until loop **c. For each loop** d. Do while loop

13. is an action recognized by a form or the control.

a. Property **b. Event** c. Method d. Procedure

14. is one of the main building blocks in a VB application.

a. Event **b. Form** c. Procedure d. Method

15. MDI stands for.....

a. Multiple document interpreter **b. Multiple document interface**

c. Multi Document interval d. None of these

16. allows you to position the forms in your application using a small graphical representation of the screen.

a. Debugging window b. Form designer window c. Property window **d. Form layout window**

17. is an example for control

a. Form b. Event c. Method d. Code editor

18. Frame Control acts as a

a. Method **b. Container** c. Event d. None of these

19. Mouse down event takes place when you

a. Click the left mouse button **b. Press the mouse button** c. Mouse is moved over the control d. All of the above

20. A Boolean datatype can store.....bytes.

a. 2 byte b. 4 byte c. 6 byte d. 8 byte

UNIT -IV

1. An object datatype can store..... bytes
 - a. 1 byte b. 2 byte c. 3 byte **d. 4 byte**
2. In there is no need to declare a variable before using it.
 - a. Implicit declaration** b. Explicit declaration c. Option explicit d. General declarations
3. In.....scope, variables are available only to the module in which they are declared
 - a. Private** b. Public c. Module d. Static
4. is the extension of a class module
 - a. .cls** b. .cla c. .class d. none of these
5. is a set of sequentially indexed elements having the same type of data.
 - a. loop **b. array** c. variables d. objects
6. is a built in function to return lower bound of an array
 - a. lbound()** b. lrbound() c. lower() d. lowbound()
7. is a built in function to return the upper bound of an array
 - a. Upper() b. Toupper() **c. Ubound()** d. Urbound()
8. statement is used to define a property procedure that assigns the value of a property
 - a. Property let** b. Property get c. Property set d. None of these
9. All the following statements are true about variable names except
 - a. The first character must be a letter b. They may include letters, numbers, and underscore (_) **c. Can be any length** d. You cannot use a reserved word
10. are used by VB to hold information needed by an application.
 - a. Variables** b. Datatypes c. Objects d. Dim

11. Theallows direct exit from a forloop, Do loop,Sub procedure, or Function procedure.

a. **Exit** b. Exit for c. Exit do d. Exit sub

12. If you declare an array in a module and you want every procedures to access it, then declare it as.....

a. Private **b. Public** c. Private or public d. None of these

13. When the form is first referenced in any manner by program,the triggered event is

a. Load **b. Initialize** c. Activate d. None of these

14. What properties are required to be specified for a menu item

a. Name b. Caption **c. Both (a) and (b)** d. None of these

15. present a list of choices to the user.

a. Combo box b. Rich text box **c. List box** d. None of these

16. displays the current drive and allows the user to select a different drive by using a drop down arrow.

a. Dirlistbox **b. Drivelistbox** c. Filelistbox d. All of these

17. displays a list of the files in the current directory or sudirectory.

a. Drivelistbox **b. Filelistbox** c. Dirlistbox d. None of these

18. The Type Of statement is used to find out.....

a. Type of picture displayed **b. Type of object accessed in control collection**

c. Type of button clicked d. All of the above

19. The event occurs when certain key of keyboard is pressed

a. Keytype **b. Keypress** c. Keyenter d. None of these

20. A..... is used to display information entered at design time, by a user at runtime, or assigned within the code

- a. Labelbox **b. Textbox** c. Listbox d. Combobox

UNIT -V

1. method adds a row to an MSHFlexGrid.

- a. Add b. New **c. Additem** d. None of these

2. method is used to clear the contents of MSHFlexGrid control.

- a. Clr b. Remove c. Removeitem **d. Clear**

3.files contains bitmaps,strings, and other data that we can change without having to reedit and recompile the program code.

- a. Class file **b. Resource file** c. Forms d. None of these

4. GUI stands for _____

- (a)Graphical User Interchange **(b) Graphical User Interface**

- (c) General User Interface (d) General User Interchange

5. Expand IDE

- (a)Integrated Development Environment** (b) Integrated Development Economy

- (c) Interchange Development Environment (d) Integrated Device Environment

6. _____ act as link between client and server

- (a) Network** (b) Server (c) Functions (d) Variables

7. OLTP stands for

- (a) Online Transition Processing** (b) Offline Transition Processing

- (c) Online Transfer Processing (d) Online Transition product

8. _____ Carries out a command or action when a user chooses it.

- (a). Labelbox **(b). Command button** (c). Listbox (d). Combobox

9. _____ file enables you to read or write information anywhere in the file

(a) A random-access data. b. Filelistbox c. Dirlistbox d. None of these.

10. SDI stands for.....

- a. **Single document interface** b. Multiple document interface
c. Multi Document interval d. None of these

11. _____ is a programming paradigm in which the flow of the program is determined by events such as user actions.

- (a) Integrated Development Environment **(b) Event-Driven programming**
(c) Graphical User Interchange (d) None of these.

12. _____ Adds a rectangle, square, ellipse, or combobox

13. _____ Executes timer events at specified time intervals

- (a) Timer** (b). Shape (c). Listbox (d). Combobox

14. A _____ is a special dialog box used to display a piece of information to the user.

- (a) Combobox (b) Listbox **(c) Message Box** (d) None of these.

15. By using _____ we can create databases, scalable server-side components for most databases,

- (a) Data Access Features** (b) Event-Driven programming
(c) Online Transition Processing (d) None of these.

16. Expand SQL .

- (a) Structured Quantity Language **(b) Structured Query Language**
(c) Structured Quality Language (d) None of these.

17. _____ Use to store alphanumeric values

String

18. _____ is arranging data in a particular order, such as listing a group of alphabetically or arranging the numbers from low to high.

(a) Sorting data (b) Arranging the data (c) Segregating the data (d) None of these.

19. _____ are the easiest way to give a user multiple options without creating a crowded display

(a) Menus (b). Shape (c). Listbox (d). Combobox

20. _____ is the process of locating and fixing or bypassing bugs (errors) in computer program code

(a) Sorting data **(b) Debugging** (C) Testing d. All of the above

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K2 LEVEL QUESTIONS

UNIT-I

1. What is client?

The client is any computer process that requests services from the server. The client is also known as the front-end application, reflecting the fact that the end user usually interacts with the client process

2. What is a Server?

The server is any computer process providing services to the clients. The server is also known as the back-end application, reflecting the fact that the server process provides the background services for the client process.

3. What is meant by client server computing?

Clients and Servers are separate logical entities that work together over a network to accomplish a task.

4. List the types of client server?

- **File servers**
- **Database servers**
- **Transaction servers**
- **Groupware servers**
- **Object servers**
- **Web servers**

5. Define SQL.

- **SQL, an ISO standard is a powerful set-oriented language consisting of few commands.**
- **It was created as a language for databases that adhere to the relational model.**

6. What is downsizing.

Down Sizing is nothing but The Process of moving an application from a {main frame } to cheaper system, typically a (client-server) system.

7. What is Network?

Client computers communicate with server system using network.

8. What do you mean by Technical Architecture?

Technical Architecture means upon which the system is built.

9. What do you mean by Tiers?

Tiers are the physical platforms on which client and server application layers reside.

10. OLTP Expand.

Online Transaction Processing.

UNIT-II

1. What is Form?

Visual Basic Form is the container for all the controls that make up the user interface. The Form is a workspace to develop the design of an application. Every window in visual basic application is referred as Form.

2. Define the term – Tool box.

The toolbox contains tools or controls which you use to add elements of the user interface to the form. A control is a tool you use to create objects on a Visual Basic form.

3. Define IDE.

An integrated development environment (IDE) is a software application that provides comprehensive facilities to computer programmers for software development. An IDE normally consists of a source code editor, build automation tools and a debugger.

4. Define the term – Tool box.

The toolbox contains tools or controls which you use to add elements of the user interface to the form. A control is a tool you use to create objects on a Visual Basic form.

5. What is the main use of labels?

- ✓ **It is used to display static text, titles and screen output from operations.**
- ✓ **Labels are used to accept some input from the user.**

6. Define the Project Explorer.

Project Explorer (PE) is a tool to organize the contents of your Origin project files (OPJ). Project Explorer is split into two panels. The primary panel shows the OPJ folder structure. The sub-panel shows folders and windows in the folder highlighted in the primary panel.

7. What are the different types of list box?

i) Drive List box ii) Directory List box iii) File List box

8. Define Variant data type.

The Variant data type is the data type for all variables that are not explicitly declared as some other type (using statements such as Dim, Private, Public, or Static).

9. What are the features of IDE?

☐ Explorer ☐ Source Editor ☐ Debugger ☐ Form Builder ☐ Data File Viewer

10. What are variables in VB?

A variable is nothing but a name given to a storage area that our programs can manipulate. Each variable in VB has a specific type, which determines the size and layout of the variable's memory; and the set of operations that can be applied to the variable.

UNIT - III

1. What are Functions?

The Function is a sub program or sub routine with enclosed by Function and End Function statement, it returns the value to the calling functions.

2. What are Procedures?

Similarly, Procedure is also a sub program or sub routine with enclosed by sub and end sub but it does not returns value to the calling procedure.

3. What is Built-in function?

A Function procedure is a series of Visual Basic statements enclosed by the Function and End Function statements. The built-in functions are part of the Visual Basic language; its code cannot be changed. There are various mathematical, strings or conversion functions.

4. What is a loop?

A loop is a programming construct that is used to carry out an action repeatedly, and Visual Basic provides a number of loop constructs. They are ☐ Determinate Loops ☐ Indeterminate Loops

5. Define Control statements.

Control Statements are used to control the flow of program's execution. VisualBasic supports control structures such as if... Then, if...Then ...Else, Select...Case, and Loop structures such as Do While...Loop, While...Wend, For...Next etc method.

6. What are the types of loop?

☐ While loop ☐ Do-While loop ☐ For loop ☐ For-Each Loop

7. Define Array.

Array is a group of relocated data items. It includes two things ☐ The name of the array ☐ The position of the item on the list. ☐ The Dim statement declares an array that could be used only in a local procedure.

8. List out the various Decision making statements.

☐ If statement ☐ If else statement ☐ If elseif statement ☐ Select Case statement

9. Discuss if statement.

If Statement is used to conditionally execute a group of statements, depending on the value of an expression. It can have single-line form for short, simple tests.

Syntax:

If condition Then Statements End if

10. Define do while loop statement.

Do - While Loop repeats a block of statements while a condition is True or until a condition becomes False.

Syntax: Do

[statements] [Exit Do] [statements] Loop [{While | Until} condition]

UNIT-IV

1. Define Drive List box.

The DriveListBox control is a specialized drop-down list that displays a list of all the valid drives on the user's system. The most important property of the DriveListBox is the Drive property, which is set when the user selects an entry from the drop-down list

2. Define DirList box.

The DirListBox control displays a hierarchical list of the user's disk directories and subdirectories

3. What is shape control?

The Shape control provides an easy way to draw rectangles, circles, and other shapes on a form at design time. The Shape control is a lightweight control, which means that it does not have a Windows handle, also known as an HWND.

4. What is Menu?

Menus are the easiest way to give a user multiple options without creating a crowded display. It is also very easy to do. In most applications there are the standard menus: File, Edit, View, Window and Help.

5. Define SDI.

A single-document interface, SDI, is an application primarily made of a form equipped with a menu.

6. What is MDI forms?

MDI (Multiple Document Interface) is a Microsoft Windows programming interface for creating an application that enables users to work with multiple documents at the same time. Each document is in a separate space with its own controls for scroll

7. What is 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

8. What are the advantages of control array?

- ☐ **Code reusability**
- ☐ **Reduce time and space complexity**

9. What is the use of check box control?

Displays a True/False or Yes/No option. You can check any number of check boxes on a form at one time.

10. What is the use of combo box control?

Combines a text box with a list box. Allows a user to type in a selection or select an item from a drop-down list.

UNIT -V

1. What is Data Control?

A control binds data aware controls to Microsoft Access or to other ODBC data source, enabling to move from record to record and to display and manipulate data from the records in bound controls.

2. Define Data reporting.

Data reporting is the process of collecting and submitting data which gives rise to accurate analyses of the facts on the ground; inaccurate data reporting can lead to vastly uninformed decision-making based on erroneous evidence.

3. What is Data Environment?

The Data Environment (DE) in Microsoft Visual InterDev 6.0 collects your dataconnection and data manipulation code in one place. The Data Environment is a new object-based wrapper around ActiveX Data Objects (ADO) and is used in both Visual InterDev 6.0 and Microsoft Visual Basic 6.0.

4. What is Report Designer?

Report Designer as a way to create reports from within VB. This reporting tool increases developers' control over report execution.

5. What is ActiveX Data Objects (ADO)?

ActiveX Data Objects (ADO) is an application program interface from Microsoft that lets a programmer writing Windows applications get access to a relational or non-relational database from both Microsoft and other database providers.

6. What is BOF?

The BOF is a property returns True (-1) if the current record position is before the first record in the Recordset, otherwise it returns False (0).

7. What is EOF?

The EOF is a property returns True (-1) if the current record position is after the last record in the Recordset, otherwise it returns False (0).

8. Define binary file.

A binary file is computer readable but not human-readable. All executable programs are stored in binary files, as are most numeric data files. In contrast, text files are stored in a form (usually ASCII) that is human-readable.

9. Define FSO.

The File System Object (FSO) object model provides an object-based tool for working with folders and files. The FSO also provides methods for reading and writing sequential text files.

10. What is Recordset.

A recordset 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).

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K3 LEVEL QUESTIONS

UNIT-I

1. Write note on Client/ Server.
2. How is Network important in Client/Server?
3. Discuss Rightsizing, Upsizing and Downsizing.
4. List out the benefits of Client/Server.
5. Write short note on OLTP and Three (n)-Tiered Client /Server.

UNIT-II

1. Explain the properties of a command button.
2. Discuss about the properties of Label.
3. Explain in detail about Visual Basic IDE.
4. Write short note on working with forms.
5. Write the steps in VB application.

UNIT-III

1. Describe the various built in functions.
2. Discuss on the method of creating Functions using examples
3. Explain the various string functions in VB.
4. Explain the various Date and Time functions in VB.
5. Discuss on do loop with AND, OR, NOT connectives with example.

UNIT-IV

1. Explain the concepts of Dynamic arrays.
2. Write short note on List control.
3. Explain about array operations.
4. List out the Properties of Form.
5. Write note on Single Document Interface.

UNIT-V

1. Write note on Data Control.
2. Explain the steps for creating Records.
3. Discuss the steps for finding a Record.
4. Explain the steps for Modifying and Deleting the Records.
5. Discuss the Data Report Control.

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K4 LEVEL QUESTIONS

UNIT- I

1. Explain the Benefits of client/ server.
2. Discuss the various client /server models.
3. Explain the Architecture of client/ server.
4. Enumerate the Tiers of client / server.
5. Explain is Network important in Client/Server?

UNIT-II

1. Discuss on various tools in a Tool box
2. How to declare a variable? Explain.
3. What are the features of Visual Basic? Explain.
4. Explain the scope of variable
5. Explain note on working with forms

UNIT-III

1. Explain various operators in VB.
2. Explain the data types available in VB.
3. Discuss the Input box Function and Message box Function in detail.
4. Explain briefly about Conditional statements.
5. Explain the various Date and Time functions in VB.

UNIT-IV

1. How to create control array in VB? Explain

2. Give the steps to design a simple calculator with control arrays.
3. Explain detail in multiple forms with suitable example
4. Discuss about the Menu Creation.
5. List out the Properties of Form.

UNIT-V

1. Explain Data Report Designer Features.
2. What are sections of Data Report Designer explain in detail.
3. Discuss the different types of Recordset.
4. Explain the steps followed for Accessing and Manipulating Databases.
5. Discuss the Data Report Control.