

Model Viva Questions for “**Name of the Lab: VISUAL BASIC**”

Common to: **CS/IT IV SEM**

Title of the Practical: Design a form for arithmetic operations using textbox, label, command button.

Q1-What are form?

A1-A form is basically a window to which we can add different element in order to create a complete application.

Q2-What is the textbox?

A2- This control displays text that the user can edit.

Q3-What is the label?

A3- This control displays text on a Form that the user can't edit.

Q4- What is the command button?

A4- This is the most common element of the Windows interface.A Command button represents an action that is carried out when the user clicks the button.

Q5- What is the size of the variant data type?

A5- The Variant data type has a numeric storage size of 16 bytes and can contain data up to the range of a Decimal, or a character storage size of 22 bytes (plus string length),and can store any character text.

Q6- Dim x, y as integer. What is x and y data type?

A6- X as variant and y as integer.

Q7- What is Centralization Error Handling?

A7- Writing function and calling it when error occurs.

Q8- What does Option Explicit refer to?

A8- All variables must be declared before use. Their type is not required.

Q9- What are the scopes of the class?

A9- Public, private, Friend.

Q10- What is Static Variable?

A10- Its Scope will be available through out the life time.

Title of the Practical: Design a form for speed control program using scroll bars.

Q1-What is the scroll bars ?

A1- The ScrollBar control let the user specify a magnitude by scrolling a selector between its minimum and maximum values.

Q2-What are shape ?

A2- This control is used to draw graphical elements,such as boxes and circles,on the surface

Q3-What are the Objectives of VB ?

A3-1. Use GUI tools of Visual Basic Programming. 2. Use basic and advance VB controls. 3. Interface back-end and front-end. 4. Generate report using Data Report and Crystal Reports. 5. Build Visual Basic applications. 6. to program any application with ease. 7. to learn still more advanced programming languages 8. to work on different projects. 9.to use MSDN library for further reference.

Q4- What are the Features of visual basic ?

A4-1>Form designer 2>Create user Interface using design tools 3>Add drawings to the forms 4>Set properties for the individual object on the form 5>Build an executable file 6>Debug the applications 7>Examine the objects in the forms 8>Work with data in the programs (ODBC) 9>Add more functionality to the program by writing code 10>Create crystal Repots

Q5- What is the Project explorer ?

A5- The window titled Project is the Project Explorer,which displays the components of the project.

Q6-What are the Toolbox ?

A6- The Toolbox contains the icons of the controls you can place on a Form to create the application's user interface.

Q7-What is the Properties Window ?

A7- The Properties window contains the property settings for the selected control.

Q8-What is the Form Designer ?

A8- The Form Designer is the main window in the middle of the screen, and in it you design and edit the application's user interface.

Q9-What is the Form Layout ?

A9- The Form Layout window,which is in the lower-right corner of the Visual Basic .

Q10-What is the Immediate Window ?

A10- The Immediate window at the bottom of the IDE(if it's not visible,choose View > Immediate Window) is a debugging aid.

Title of the Practical: Design a form to display a picture using image box/picture box selected from a file in file list box directory list box, drive list box.

Q1-What is the picture box ?

A1- This control is used to display images , and the images are set with the Picture property.

Q2-What is the list box ?

A2- This control contains a list of options from which the user can choose one or more.

Q3-What are the drive list box ?

A3- The control displays the drives on the system in a drop-down list from which the user can select.

Q4-What is the directory list box ?

A4- This control displays a list of folders in the current drive and lets the user move up or down in the hierarchy of the folders.

Q5-What is the file list box ?

A5- This control displays a list of all files in the current folder.

Q6-What is the File control ?

A6- File contains the commands for opening and saving projects .

Q7-What are the Edit Control ?

A7- contains editing commands(e.g, Undo,copy,Paste).

Q8-What is the View Control ?

A8- contains commands for showing or hiding components of the IDE.

Q9-What are the Project ?

A9- contains commands that add components to the current project.

Q10-What is the Run Control ?

A10- contains the commands that start,break,and end execution of the current application.

Title of the Practical: Design a form using shape control to display signal and change it timely using timer control.

Q1-What is the Timer control ?

A1- You can use this control to perform tasks at regular intervals.

Q2- How to change the Mouse Pointer?

A2- Screen.MousePointer = VBHourGlass/VBNormal.

Q3-What are the List view Control ?

A3- The list view control displays , as its name implies , list of items.

Q4-What is the RichTextBox Control ?

A4- It provides all the functionality of a TextBox control.it gives you the capability to mix different fonts,size,and attributes;and it gives you precise control over the margins of the text.

Q5- What is The Variable,s Scope ?

A5- The Scope of a Variable is the section of the application that can see and manipulate the variable.

Q6- What is the Lifetime of a Variable ?

A6- Variables have a Lifetime,which is the period for which they retain their value.

Q7- What is The Subroutines ?

A7- A Subroutine is a block of statements that carries out a well-defined task.

Q8- What is The Functions ?

A8- A function is similar to a subroutine,but a function returns a result.

Q9- What is The IDE ?

A9- It's an Integrated Development Environment in which you can develop,run ,test,and debug your applications.

Q10- What is The Modules ?

A10- Modules are collections of code and data that function something like objects in object-oriented programming(OOP),but without defining OOP characteristics lik inheritance,polymorphism,and so on.

Title of the Practical: Design form to create a font dialog box using combo/ list, text, option buttons, and check box control.

Q1-What is the Combo box control ?

A1- This control is similar to the ListBox control, but it contains a text Edit field. The user can either choose an item from the list or enter a new string in the Edit field.

Q2-what are the listbox control ?

A2- This control contains a list of options from which the user can choose one or more.

Q3-What is the Option buttons ?

A3- Option buttons, or radio buttons, appear in groups, and the user can select choose only one of them.

Q4- What are the Style properties of List Box?

A4- Simple Single Select , Extended. Multiple Select.

Q5-What are the Check Box Control ?

A5- Group of controls where more than one can be selected at a time.

Q6-What is the Images ?

A6- Type of control that is used to hold a graphic.

Q7-What is the File Control ?

A7- There of the controls on the Toolbox let you access the computer's file system.

Q8-What are the DriveListBox ?

A8- Displays the names of the drives within and connected to the PC.

Q9-What is the DirListBox ?

A9- Displays the folders of the current drive.

Q10-What is the FileListBox ?

A10- Displays the files of the current folder.

Title of the Practical: Design a simple application using OLE control.

Q1-What is OLE ?

A1-With OLE , user can create self contained modules , or objects , that greatly simplify the programming, especially when it comes to building large applications.

Q2- Why we use Treeview Control?

A2- To list the hierarchical list of the node objects. Such of files and Directories.

Q3- What is the size of the variant data type?

A3- The Variant data type has a numeric storage size of 16 bytes and can contain data up to the range of a Decimal, or a character storage size of 22 bytes (plus string length),and can store any character text.

Q4- What is view Port?

A4- The area under which the container provides the view of the ActiveX Document is known as a view port.

Q5- What are the different types of error?

A5- Syntax Errors, Runtime , Logic.

Q6- What is Implicit?

A6- Instance of specific copy of a class with its own settings for the properties defined in that class.

Q7-What is the ActiveX Control ?

A7- Used to develop your own ActiveX controls. It is a basic element of the user interface. If the ActiveX control that comes with Visual Basic don't provide the required functionality then custom ActiveX controls can be build.

Q8-What are the Data Project ?

A8- This is a feature of enterprise edition that automatically adds the controls that are used in accessing databases to the Toolbox.

Q9-What is the IIS Application ?

A9- Allows to build applications that run on the Web server and interact with clients over the Internet with Internet Information Server.

Q10-What is _Record ?

A10- Record is a collection of information.

Title of the Practical: Design a form using Tab control, image list, status bar, tool bar which facilitates different arithmetic operations.

Q1- What is Tabstrip control?

A1- Libraries of procedure external to the application but can be called from the application.

Q2- What is the Status Bar ?

A2- Status bars appear at the bottom of windows and usually hold several panels in which you can display text.

Q3-What is the Tab control ?

A3- A Tab control Presents the user with a row (or rows) or tabs that acts like the dividers in a notebook or the labels on a group of files folders.

Q4-What is the Image list control ?

A4- Image list control are invisible controls that serve one purpose: to hold images that are used by other controls

Q5-What is Ms chart control ?

A5- A chart that graphically displays data.

Q6- What is the Controls ?

A6- A control is an object that can be drawn on a Form object to enable or enhance user interaction with an application.

Q7- What is The Menu Bar ?

A7- This Menu Bar displays the commands that are required to build an application.

Q8- What is The Toolbox ?

A8- The Toolbox contains a set of controls that are used to place on a Form at design time thereby creating the user interface area.

Q9- What is The Frame controls ?

A9- visual basic offers different types of procedures to execute small sections of coding in applications.

Q10- What is The message idialog box ?

A10- Displays a message in a dialog box and wait for the user to click a button, and returns an integer indicating which button the user clicked.

Title of the Practical: Design a form using menu editor, MDI, common dialog box which has standard format like Notepad. (eg. File , Edit , format) open copy, font, save and cut.

Q1- What is MDI form?

A1- The Multiple Document Interface(MDI) was designed to simplify the exchange of information among documents , all under the same roof.

Q2- What are Visual Basic Graphics ?

A2- In VB, graphics capabilities are usually associated with drawing lines, boxes, or otherwise manipulating the display.

Q3-What is the Line control ?

A3- The line control is a graphical control. You use it to display horizontal,vertical,or diagonal lines in a form.

Q4-What is the PSet ?

A4- The Point and PSet methods manipulate pixels and are used frequently in image processing applications and for drawing curves,which must be plotted point by point.

Q5-What are RGB() Function ?

A5- for defining colors, Visual Basic provides the RGB () function,which accepts three arguments :

RGB (Red , Green , Blue)

Q6-What is the Paint picture() method ?

A6- The PaintPicture method allow you to copy a rectangular area of pixels from one object (a PictureBox or Form) onto another.

Q7-What is the Common Dialog Box controls ?

A7- The Common Dialogs control is a peculiar one.It provides its services to the application,but it doesn't need to be displayed on the Form at runtime(similar to the Timer control).

Q8-What is The Color Common Dialog Box ?

A8- The Color common dialog box is one of the simplest dialog boxes.It has a single property , Color , which returns the color selected by the user or sets the initially selected color when the user opens the dialog box.

Q9-What is The Font Common Dialog Box ?

A9- The Font common dialog box To open the Font dialog box after the user selects a font, its size and style , and possibly some special effects.

Q10-What is The FileOpen and File Save Common Dialog Boxes ?

A10- FileOpen and FileSave are the two most widely used common dialog boxes.when a file common dialog box is opened , it rarely display all the files in any given folder.Usually the number of files displayed is limited to the ones that the application recognizes so that users can easily spot the files they want.

Title of the Practical: Design a simple database application which covers all database concepts.(Data control,DAO,RDO,ADO, DB-list , DB combo), Create property pages without using the property page wizard.

Q1- What is The ADO ?

A1- The ADO (ActiveX Data Object) data control is the primary interface between a Visual Basic application and a database.

Q2- What is the diff between RDO and ADO?

A2- RDO is Hierarchy model where as ADO is Object model. ADO can access data from both flat files as well as the data bases. I.e., It is encapsulation of DAO, RDO , OLE that is why we call it as OLE-DB Technology.

Q3- What is the different between Microsoft ODBC Driver and Oracle OBDC Driver?

A3- Microsoft ODBC driver will support all the methods and properties of Visual Basic. Where as the Oracle not.

Q4-What is the The Print Common Dialog Box ?

A4- The Print common dialogbox enables users to select a printer , set certain properties of the printout (number of copies , pages to be printed , and so on) ,and set up a specific printer.

Q5-What is The List view ?

A5- The list view control displays , as its name implies , list of items.

Q6-What is the Popup menu ?

A6- Nearly every Windows application provides a context menu (or shortcut menu , as it's sometimes called) that the the user can invoke by right-click a form or a control. This pop-up menu(or floating menu) is a regular menu,but it's not anchored on the Form.

Q7-What is the Line Control ?

A7- The line control is a graphical control. You use it to display horizontal,vertical,or diagonal lines in a form.

Q8- types of Record Sets ?

A8-1>**DynaSets** :- Which are updatable views of data.2>**SnapShots** :- Which are static (read-only) views of data.3>**Tables** :- Which are direct views of tables.

Q9-What is the Data Control ?

A9- The data control enables you to move around in a database from record to record and to display and manipulate data from the records in bound controls.

Q10-What is the Data bound grid control ?

A10- The data-bound Grid control is one of the most flexible and powerful Visual Basic controls.If you have used Microsoft Access , you'll be familiar with this control.