

QUESTION 2015

GROUP - A

(Multiple Choice Type Questions)

1. Answer all questions:

i) ADO refers to

- a) Abstract Data Object
- ✓ b) Activex Data Object
- c) Actual Data Object
- d) None of these

ii) Which of the following is not a VB data type?

- a) String
- b) Currency
- c) Data
- ✓ d) Variable

iii) Complexity of selection sort is

- a) $O(n^2)$
- b) $O(n)$
- c) $O(n \log_2 n)$
- ✓ d) None of these

iv) To detect the undefined variable, the statement is

- ✓ a) Option Base
- b) Option Explicit
- c) Option Compare Text
- d) None of these

v) Default lower index of an array is

- a) 2
- b) 1
- ✓ c) 0
- d) none of these

vi) Which of the following is not property of text box?

- ✓ a) List count
- b) Multiline
- c) Scrollbars
- d) Maxlength

vii) IDE stands for

- a) Information Development Environment
- ✓ b) Integrated Development Environment
- c) Integrated Design Environment
- d) None of these

viii) ODBC stands for

- ✓ a) Open Data base Connectivity
- b) Object Database connectivity
- c) Oracle Database Connection
- d) None of these

ix) Common Dialog boxes

- a) allow Visual Basic programs to translate the text on the screen into another Language
- ✓ b) display the predefined Windows dialog boxes for print, open, save, fonts and colours.
- c) can only be used on forms with menus
- d) allow you to create message boxes that will pop up and prompt the user for text input

x) You are designing a form and it will be necessary for the user to type in their name. You should use a _____ for inputting the user's name

- ✓ a) text box
- b) label
- c) command button
- d) check box

GROUP – B

(Short Answer Type Questions)

2. Write a program to display different colours specific interval.

See Topic: CODE WINDOW, Short Answer Type Question No. 17.

3. Why VB is called "Event Driven Programming"?

See Topic: INTRODUCTION TO VISUAL BASIC, Short Answer Type Question No. 1.

4. What is MDI form? What is the utility of this form in VB project?

See Topic: CODE WINDOW, Short Answer Type Question No. 6(b).

5. What is the select case structure? When do we use it? Give the general syntax of select structure.

See Topic: SEARCHING, Short Answer Type Question No. 7.

6. What are the different scopes of VB?

See Topic: CODE WINDOW, Short Answer Type Question No. 5.

GROUP – C

(Long Answer Type Questions)

7. a) What is the difference between drop-down menu and pop-up menu?

b) What is dynamic array? Explain with an example. What is the proper use of "ReDim" statement?

c) Write a VB program to sort 10 numbers.

a) See Topic: CREATING STANDARD EXE FILE, Short Answer Type Question No. 5.

b) See Topic: ARRAY, Short Answer Type Question No. 7.

c) See Topic: CODE WINDOW, Long Answer Type Question No. 2(b).

8. a) Write a VB a program to create a login form. If the login is correct it will open a new form displaying "Welcome". If login is not correct then it will identify the error and show a proper error message to user.

b) What is menu editor? Write the process to create a menu. How can you add menu separator?

c) What is static variable?

a) See Topic: CODE WINDOW, Short Answer Type Question No. 19.

b) See Topic: CODE WINDOW, Short Answer Type Question No. 9.

c) See Topic: CODE WINDOW, Short Answer Type Question No. 15(1st part).

9. a) What is Common Dialog control? Briefly describe the six Common Dialog Methods.

b) Write a program to implement Binary Search and Insertion Sort Algorithm in VB.

a) See Topic: CREATING STANDARD EXE FILE, Long Answer Type Question No. 5.

b) See Topic: CODE WINDOW, Long Answer Type Question No. 10.

10. a) Differentiate between MsgBox and Input Box function.

b) Write a program that input three different integers using Input Box function and print the sum, the average, the product, smallest and the largest of these numbers on the form.

c) Using timer control in a form, show the current time and date after it is being loaded.

a) See Topic: CREATING STANDARD EXE FILE, Short Answer Type Question No. 1(a).

b) & c) See Topic: CODE WINDOW, Long Answer Type Question No. 11(a) & (b).

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11. What is procedure? How many procedures are there in Visual Basic? What is the basic difference between them? Write the steps to create and call a procedure in VB application. What is the difference between call by value and call by reference?

See Topic: **SEARCHING**, Long Answer Type Question No. 7.