

00626

**ADIT/BIT PROGRAMME**

**Term-End Examination**

**December, 2010**

**CSI-15 : VISUAL PROGRAMMING**

*Time : 3 hours*

*Maximum Marks : 75*

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*Note : There are two sections in this paper. Section-A is compulsory and consists of 10 objective type question and two descriptive type questions. Section-B consists of 4 questions from which you have to answer any three.*

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**SECTION - A**

1. There are 10 objective type questions in this section. There are four choices given for each question. Select the correct choice. If you feel that none of the given choices are correct then write '0' as your answer. **10x1=10**
- (a) In VB, the binary files which are not editable and are automatically generated from any .frm file that contains binary properties, such as picture or icon will have the file extension name,
- |            |           |
|------------|-----------|
| (i) .frx   | (ii) .fir |
| (iii) .vbe | (iv) .bin |

- (b) Advantages of VB is\are
- (i) GUI approach, Data Access features
  - (ii) Based on Q Basic, event driven concept
  - (iii) RAD and easiest way to create applications for windows
  - (iv) All of the above
- (c) \_\_\_\_\_ acts like a container for the other forms in the application with a single point control.
- (i) MDI child form
  - (ii) MDI parent form
  - (iii) SDI form
  - (iv) None of the above
- (d) Adding a \_\_\_\_\_ sign at the end of a variable name implies that the variable is a string.
- (i) %      (ii) &      (iii) \$      (iv) !
- (e) \_\_\_\_\_ is a group of controls that share the same name, same type and same procedures.
- (i) Data control      (ii) Record set
  - (iii) Control Array      (iv) Option button

- (f) \_\_\_\_\_ statement, is used such that the programmer cannot slip variables into your program without defining them properly.
- (i) Dim Statement
  - (ii) Declaration Statement
  - (iii) Option Implicit
  - (iv) Option Explicit
- (g) The control that provides an easy way of presenting several dialogs or screens of information on a single form, using the same interface seen in many commercial MS-Windows applications .
- (i) Tab Strip Control
  - (ii) Imagelist Control
  - (iii) MS Flex Grid Control
  - (iv) Data Grid Control
- (h) The named storage location (memory location) that holds data value,
- (i) Variable      (ii) Data type
  - (iii) Cell          (iv) None
- (i) The GUI control used to display or accept users input on the VB form like name of the person, customer ID etc., is
- (i) Label                      (ii) Text box
  - (iii) Frame Control      (iv) Check-box

- (j) A database can be created easily with the help of \_\_\_\_\_ utility in VB.
- (i) Data Aware Control
  - (ii) Data Control
  - (iii) Visual Data Manager
  - (iv) Slider Control

2. Write an event procedure for a command button to compute the sum of first 10 terms of the following series : 10

$$S = 1 + \frac{x^2}{2!} + \frac{x^3}{3!} + \frac{x^4}{4!} + \dots$$

and the result is displayed in a message box.

10

3. What is a data control ? How does it work ? Discuss the image and explain the (essential) Properties to be set for it.

## SECTION-B

Answer *any three* questions from this section :

4. (a) Write the Syntax for each of the following statements. Also, give an example to illustrate it : 8
- (i) Do... While loop
  - (ii) Select case
- (b) Write an event procedure to find the GCD (Greatest Common Division) of the two numbers entered by the user. Also design the sample layout for the application. 7
5. Write the sequence of steps to be followed to design a menu like NOTEPAD containing the main menu option File, Edit, Search and Help and various sub-options associated with them. 15
6. Write short notes on the following : 2x4=8
- (a) (i) Common dialog box
  - (ii) Active X DLL
- (b) List and explain various File system controls available in the VB Tool-Box 7
7. Write an event procedure to generate a billing - application for a stationary shop. Assumptions can be made wherever necessary. 15
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