Advanced Diploma in Information Technology (ADIT) / Bachelor in Information Technology (BIT)

Term-End Examination

December, 2007

CST-104 : VISUAL PROGRAMMING

Time : 2 Hours   *Maximum Marks : 50*

Note :   *There are **two** sections in this paper. Section A consists of objective type questions and short answer type questions. All questions in Section A are **compulsory** and it· carries 26 marks. Section B consists of descriptive type questions and carries 24 marks. Answer **two** questions from Section B.*

SECTION A

1.   Attempt the following 10 objective type questions. There are four choices for each question. Select the best choice as your answer. If you feel that none of the given choices are correct, then mark '0' as your answer. Each question carries one mark.

10×1=10

(i)   API stands for

(a)   ActiveX Programming Interface

(b)   Application Programming Interface

(c)   Adobe Programming Interface

(d)   None of the above

(ii) In VB, DDE stands for

(a)   Data Dynamically Exchange

(b)   Dynamic Data Exchange

(c)   Data Dynamic Exchange

(d)   None of the above

(iii) The concept of ActiveX was developed to be able to

(a)   import data from one application to another

(b)   make changes in the imported data such that the data in the parent application is also updated

(c)   Place different types of data or objects in one document

(d)   All of the above

(iv) The control that displays the list of drives on the computer is

    (a) DirListBox Control

    (b) DriveListBox Control

    (c) RichTextBox Control

    (d) MSFlexGrid Control

(v) The control that accepts the user's input in the form of text like name etc. is

    (a) Radio button

    (b) Picture box control

    (c) Image control

    (d) Text box control

(vi) _____ acts like a container for the other forms in the application.

    (a) MDI form

    (b) SDI form

    (c) Child form

    (d) None of the above

(vii) Every procedure of VB is terminated by the statement

    (a) End Do

    (b) End Sub

    (c) Loop

    (d) End Select

(viii) The routine that traps errors and directs the user or the program a certain task to overcome the error is

    (a) Error Handler

    (b) Debugging

    (c) Err object

    (d) None of the above

(ix) A general purpose variable that can hold most other types of variable values is

    (a) Object

    (b) Integer

    (c) Variant

    (d) Currency

(x) _____ control allows to create a graphical or functional grouping of controls.

    (a) Frame

    (b) Image

    (c) Check Box

    (d) Picture Box

2. List the different data types in VB, their range and their purpose of use. 8

3. (a) List different relational and logical operators of Visual Basic. 4

   (b) Write an event procedure to find the largest number from the three numbers given. 4

SECTION B

*There are three questions in this section (numbered 4 to 6). Attempt any **two** questions. This section carries 24 marks.*

4. (a) What is an Integrated Development Environment ? Explain how VB supports IDE.   6

    (b) Write an event procedure to generate the first 7 elements in the fibonacci series.   6

5. What is a database ? Explain the sequence of steps to be followed to create a database using Data Manager.   12

6. Write an event procedure to find the sum of the first "n" natural numbers using for ... next loop.   12