

Bachelor in Information Technology (BIT)

Term-End Examination

December, 2007

CSI-15 : VISUAL PROGRAMMING

Time : 3 Hours

Maximum Marks : 75

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

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. *10×1=10*
- (i) The controls are given some attributes which clearly define the activities to perform and are called
 - (a) Methods
 - (b) Properties
 - (c) Events
 - (d) None of the above
 - (ii) VB 6.0 features include(s)
 - (a) Data Access features
 - (b) ActiveX technologies
 - (c) Application Setup Wizard
 - (d) All of the above
 - (iii) The file, which is a list of all the files and objects associated with the project, is
 - (a) Project file
 - (b) ActiveX control file
 - (c) Resource file
 - (d) Standard file

- (iv) Snapshot type recordset object can contain fields from one or more tables in a database and
- (a) cannot be updated
 - (b) can be updated
 - (c) can be modified partly
 - (d) None of the above
- (v) The control that is used to draw lines, squares and circles is
- (a) Image control
 - (b) Image list control
 - (c) Shape control
 - (d) Tab strip control
- (vi) VB allows you to create your own database in
- (a) Paradox
 - (b) Sybase
 - (c) Oracle
 - (d) MS Access
- (vii) The function that is used to convert number to single variable type is
- (a) CLng
 - (b) CCur
 - (c) CSgn
 - (d) CSng
- (viii) An event handler consists of
- (a) Event's name
 - (b) Lines of code for handling the event
 - (c) End sub
 - (d) All of the above
- (ix) _____ control is used in conjunction with other controls to display add, modify and delete the data from a database.
- (a) Grid Control
 - (b) Tree View
 - (c) SSTab
 - (d) Data Control

- (x) The control that is used to link and embed objects from other applications in VB application is
- (a) ODBC
 - (b) OLE
 - (c) DDE
 - (d) Control Array

2. Write the full forms and mention the usage for the following : 10

- (i) ADO
- (ii) ODBC
- (iii) DAO
- (iv) MDI
- (v) DSN

3. Explain the usage of the following controls : 10

- (i) Checkbox
- (ii) Option button
- (iii) VScrollBar
- (iv) Frame
- (v) SSTab
- (vi) Tree view
- (vii) Command button
- (viii) Label
- (ix) Timer
- (x) Image control

SECTION B

Answer any **three** questions from this section (numbered from 4 to 7).

4. Write an event procedure for a command button to compute the n^{th} power of x (x and n are positive numbers). Also, draw the sample layout of the application. 15
5. Write an event procedure to accept a list of 6 numbers and multiply each number with any constant and display the list in descending order. Draw the layout for the application. 15
6. Write an event procedure to search a sub string in a given string. Design the splash screen also. 15
7. Write an event procedure to find the sum of the squares of the first "n" natural numbers. 15