

DipIETE – CS (OLD SCHEME)

Code: DC16
Time: 3Hr.

Subject: VISUAL BASIC & APPLICATIONS
Max Marks: 100

DECEMBER 2010

NOTE: There are 9 Questions in all.

- Question 1 is compulsory and carries 20 marks. Answer to Q.1 must be written in the space provided for it in the answer book supplied and nowhere else.
- The answer sheet for the Q.1 will be collected by the invigilator after half an hour of the commencement of the examination.
- Out of the remaining EIGHT Questions answer any FIVE Questions. Each question carries 16 marks.
- Any required data not explicitly given, may be suitably assumed and stated.

Q.1 Choose the correct or the best alternative in the following: (2 × 10)

- a. Visual Basic is extension of which language?
- (A) BASIC (B) COBOL
(C) PASCAL (D) FORTRAN
- b. The Visual Basic partially compiles the code as it is entered
- (A) True (B) False
- c. As we create, add, remove editable files from a project, VB reflects your changes in
- (A) Project Explorer window (B) Explorer Window
(C) Project windows (D) Form Layout Window
- d. A complete repaint of a form or control can be enforced by which method of the following
- (A) Redraw (B) Repaint
(C) Refresh (D) Redo
- e. Theevent is fired when there is a change in the contents of the text box.
- (A) Unload (B) Change
(C) Click (D) Refresh

- f. The statement checks in the module for usage of any undeclared variable and reports an error to the user.

(A) Dim	(B) Option Explicit
(C) Redim	(D) Static
- g. The arrays are declared when the user may not know the exact size of the array at design time.

(A) Fixed-Size	(B) Dynamic
(C) Multidimensional	(D) One-dimensional
- h. ActiveX technology allows you to create executable files with extension .com and

(A) .ocx	(B) .prg
(C) .ctx	(D) .exe
- i. An application in VB can also be run by pressing

(A) F2 key	(B) F3 key
(C) F4 key	(D) F5 key
- j. The ADO object model is superior to RDO and DAO object models regarding object independence of one another

(A) True.	(B) False.
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Answer any FIVE questions out of EIGHT questions
Each question carries 16 marks

- Q.2** a. Explain about the concept of IDE provided in Standard EXE project type in Visual Basic 6.0? **(10)**
- b. Differentiate between the Image control and Picture Box control **(6)**
- Q.3** a. Name and explain various data types available in VB. **(8)**
- b. Differentiate between the following: **(8)**
 - (i) Function and Procedure
 - (ii) List box and Combo Box
- Q.4** a. What do you mean by SDI and MDI? **(4)**
- b. What is code editor window? How it is useful in VB programming? **(4)**

- c. Explain about the static and dynamic type of arrays used in VB?
- Q.5** a. Write a program to implement the synchronization for the paths of drive, directory and files. (8)
- b. Explain about the Common dialog control. (8)
- Q.6** a. What is Control Array? How you can add or remove controls in it during run time and how control arrays are advantageous? (8)
- b. Write short notes on the following (4×2=8)
 - (i) RDO
 - (ii) ADO
- Q.7** a. What is Menu Editor? What are its various property components? Name them (8)
- b. Differentiate between the Image control and Picture Box control (4)
- c. Why VB is called event driven programming language? (4)
- Q.8** a. What are different mathematical functions used in VB? Explain. (8)
- b. Explain about nested loop with a suitable example. (8)
- Q.9** a. Describe the use of HTML Tag in creating forms with suitable example. (8)
- b. Explain IIS Applications in brief. (8)