

# DiplETE – CS (OLD SCHEME)

Code: DC16  
Time: 3Hr.

Subject: VISUAL BASIC & APPLICATIONS  
Max Marks: 100

**JUNE 2011**

**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 45 Minutes 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. The \_\_\_\_\_ data type is designed to store all the different possible visual basic data.
- (A) Byte (B) Boolean  
(C) Variant (D) Precision
- b. <BR> tag is used for
- (A) Tool tip (B) Character spacing  
(C) Line break (D) Line spacing
- c. Visual Basic is
- (A) Compiled (B) Compiled & Interpreted  
(C) Linked (D) Interpreted
- d. \ operator in VB is used for
- (A) Floating Point Division (B) Modulus  
(C) Integer Division (D) Not a valid Operator
- e. What is the value of the variable **Length** in the following code?  
Mystring = " Hello World"  
Length = len( Mystring )
- (A) 11 (B) 13  
(C) 10 (D) None

- f. If you declare an array in a module and you want every procedure to access it, then declare it as:
- (A) public (B) private or public  
(C) private (D) None
- g. When the form is just placed in the memory using load statement or show method, the triggered event is
- (A) Activate (B) Load  
(C) Show (D) None
- h. What is the sequence in which the following events are triggered when a form is loaded
- (A) Initialize, Resize, Paint, Load (B) Load, Initialize, Resize, Paint  
(C) Initialize, Load, Resize, Paint (D) Initialize, Paint, Load, Resize
- i. \_\_\_\_\_ function in VB returns the current date and time.
- (A) Now( ) (B) Date( )  
(C) DTime( ) (D) Time ( )
- j. How can you enable the user to access a menu item from the keyboard?
- (A) Define the Caption property  
(B) Define the shortcut key by setting the shortcut property  
(C) The user can use the cursor keys  
(D) All of the above

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**Answer any FIVE questions out of EIGHT questions**  
**Each question carries 16 marks**

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- Q.2** a. Briefly explain the various conventions used for naming controls in VB. (6)
- b. Briefly explain the Visual Basic IDE. (6)
- c. Differentiate between Implicit and Explicit declaration of variables along with an appropriate example. (4)
- Q.3** a. What do you mean by scope and lifetime of a variable? Briefly explain the various types of variables in VB with respect to their scope and lifetime. (8)
- b. Write a program in VB to find the roots of a quadratic equation. (8)

- Q.4** a. What are dynamic arrays? Briefly explain with an example. (4)
- b. Briefly explain the following functions in Visual Basic along with their syntax and an appropriate example. (8)
- (i) MsgBox( ) (ii) InStr()  
 (iii) StrComp( ) (iv) Replace( )
- c. Differentiate between SDI and MDI applications. (4)
- Q.5** a. Differentiate between the following set of controls in VB 6.0 (8)
- (i) Text Box and Label  
 (ii) Combo Box and List Box  
 (iii) Check Box and Option Button  
 (iv) Image Box and Picture Box
- b. What are Control Arrays? Briefly explain its use. (4)
- c. What is Menu Editor? What are its various components? Name them. (4)
- Q.6** a. Briefly differentiate between a function and subroutine with an example. (8)
- b. Briefly explain the following tags used in HTML language: (8)
- (i) <FONT> (ii) anchor tag  
 (iii) <IMG> (iv) <HR>
- Q.7** a. What are popup menus? Briefly explain the steps for creating popup menus. (6)
- b. Write a procedure in VB to find the Factorial of a number. (4)
- c. What are Common Dialog Controls? Briefly explain the steps for creating a Color Dialog Control. (6)
- Q.8** a. Design the following e-Catalogue in HTML. (8)

**List of Electrical Appliances**

- **Microwave Oven**
  - **LG**
  - **Samsung**
  - **Whirlpool**
- **Washing Machine**
  - **LG**
  - **Samsung**
  - **Whirlpool**
  - **Godrej**

- b. What are ActiveX Controls? Briefly explain the steps to create your own ActiveX Control. (8)
- Q.9**
- a. Briefly explain the two methods of sending data to the action URL. (4)
  - b. Briefly explain the various data access mechanisms in Visual Basic. (6)
  - c. How will you create a form using HTML tags? Explain with the help of an example. (6)