BCA(IV) — 403

2019

Time : 3 hours

Full Marks : 80

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer any *five* questions in which Q. No. 1 is compulsory.

1. Select the one correct answer of the following multiple choice questions (MCQ) :

   (a) Visual Basic is a tool that allow to develop application in _____.

      (i) Real time

      (ii) Graphical user interface

      (iii) Character-user interface

      (iv) None of these

(Turn over)

(b) _____ loop repeats a group of statements for each item in a collection of objects or for each element of an array.

   (i) While loop   (ii) Do-until loop

   (iii) Do-while loop   (iv) For-each loop

(c) In VB the declaration of variables is done by _____ keyword.

   (i) int   (ii) dim

   (iii) static   (iv) declare

(d) _____ control is used to represent the items in a hierarchical manner.

   (i) Tree view

   (ii) Grid view

   (iii) Program Bar

   (iv) None of these

(e) _____ event occurs when a form loaded into the memory.

   (i) Load   (ii) Activate

   (iii) Initialize   (iv) None of these

(f) _____ method is used to retrieve the stored text from the clip board.

   (i) Input   (ii) Gettext

   (iii) Addtext   (iv) Settext

(g) Frame control acts as a _____.

   (i) Event   (ii) Method

   (iii) Container   (iv) Class

(h) _____ control executes the timer events at specified interval of time.

   (i) Clock   (ii) Timer

   (iii) Frame   (iv) Digital

2. (a) What is user interface and how we can design user interface ?

   (b) Discuss, the following components of user interface Textbox, label, Command Button, Scrollbar, Picture box.

3. Write difference between following :

   (a) Modal and modeless window

   (b) List box and combo box

   (c) Image and picture box

   (d) Function and procedure

4. (a) What do you mean by visual and non-visual programming ? Also differentiate between them.

   (b) Give a brief idea about event driven programming.

5. (a) What do you mean by scope and life time of variable ? Explain.

   (b) What are the operators in VB ? Explain its types.

6. Discuss basic properties of OLE container control in detail. How timer control is added with code ? Explain.

7. Explain in detail the use and working of program bar in V.B. Explain the steps to connect with Access Database using ADODC control.

8. Design a Form in V. B to calculate total amount of Medical Bill. Display four labels for item names, four text boxes for reading item quantity and four text boxes for item rate. Write a program to calculate item amount and net amount.

9. Write short notes on the following :

   (a) Data Report

   (b) Menu Designing in VB

   (c) Image box

   (d) Sub Procedure