Degree (Part-III) Examination, 2023

(Vocational)

COMPUTER APPLICATION

[PPU-D-III(H)-BCA-5]

[Paper : Fifth]

(Programming in Visual Basic and Database Management System-I & II)

Time : Three Hours]   **[Maximum Marks : 100**

Note : Candidates are required to give their answer in their own words as far as practicable. The questions are of **equal** value. Answer **any five** questions. Question.no. 1 is **compulsory**.

1. Choose the correct answer from the following :

     (i)   Who developed Visual Basic?

         (a)   Symantec

         (b)   Ashton-Tate

(c)   Microsoft

(d)   Sybase

(ii)   Which of the following extension is used to represent the project file in VB?

(a)   .vbp

(b)   .vb

(c)   .cls

(d)   .vvb

(iii)   In VB, which of the following are listed in a properties window?

(a)   Items

(b)   Value

(c)   Attributes

(d)   Objects

(iv)   Which of the following is commonly used to perform an immediate action when clicked in VB?

(2)

(a)   Button control

(b)   Close

(c)   End

(d)   Exit

(v)   Which of the following instruction tells the computer to close the current form in VB?

     (a)   This.close ()

     (b)   Me.close ()

     (c)   Close.this ()

     (d)   None of the above

(vi)   What is the value of len in the following VB code?

Dim str() As String = { "A", "B". "C", "D"}

Dim len As Integer

len = str.Length ()

print "Length: " & len

(a) 2

(b) 3

(c) 4

(d) 5

(vii) Which type of data can be stored in the database?

(a) Image oriented

(b) Text, files containing data

(c) Both (a) and (b)

(d) None of the above

(viii) Which of the following is not a type of database?

(a) Hierarchical

(b) Network

(c) Distributed

(d) Decentralized

(ix) Which of the following is a component of the DBMS?

    (a)   Data

    (b)   Data Languages

    (c)   Data Manager

    (d)   All of the above

(x) What is information about data called?

    (a)   Hyper Data

    (b)   Tera Data

    (c)   Meta Data

    (d)   Relations

2.   (a)   What is VB IDE? Discuss all the components of IDE.

    (b)   Explain 'Variant' datatype with suitable example.

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3. (a) Explain the immediate window in VB IDE.

   (b) Write a program in VB to take a number using "inputbox" and print factorial of a number.

4. (a) Explain datatype of Visual Basic with size and example.

   (b) What is Loop? Explain types of loop in VB.

5. (a) What is SDI and MDI? Write difference between SDI and MDI application.

   (b) Discuss any three control of VB with suitable example.

6. (a) What is DBMS? Write difference between DBMS and RDBMS.

   (b) Discuss DDL and DML commands with suitable example.

7. (a) What is Database? Write all the components of database.

   (b) What is Constraints? Discuss Primary key and Foreign key constraints.

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8.   (a)   What is Function? Explain types of function with suitable example in VB.

      (b)   What is Event? Discuss any two events with example.

9.   (a)   Write difference between inner and outer join operation of SQL.

      (b)   Write a program in VB to take a number and check palindrome or not.

10.   Write short notes on **any four** of the following :

      (a)   DTL

      (b)   ReDim

      (c)   Super key

      (d)   Check constraint

      (e)   DQL

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