Question Paper Code : 3036

B.Sc. (Part-III) Examination, 2017

(Old Syllabus)

COMPUTER SCIENCE

[First Paper]

(Visual Basic)

Time : Three Hours]　　　　　　　　　　[Maximum Marks : 75

Note : Answer **five** questions in all. Question **No. 1** is **compulsory**. Besides this, attempt **one** question from each unit.

1. (a) Differentiate between Check box control and Option button. [3]

    (b) What are the ADO objects ? [3]

    (c) List out controls which does not have events.[3]

    (d) Which controls have refresh method ? [3]

    (e) What is the difference between flex grid and db grid control ? [3]

(f) Which property of text box cannot be changed at runtime ? [3]

(g) What is the difference between image and picture box controls ? [3]

(h) What is the difference in passing values By Ref or By Val to a procedure ? [3]

(i) What is Auto Redraw event of form and picture box ? [3]

(j) What is the file extension used in Visual Basic? [4]

    (i)   .frm

    (ii) .bas

    (iii) .cls

    (iv) .res

    (v)   .ocx

    (vi) .frx

    (vii) .vbp

    (viii) .exe

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UNIT - I

2. Explain the following : [11]

    (a) Control

    (b) Properties

    (c) Methods

    (d) Events

3. (a) Explain web form applications and windows form applications. [5]

    (b) Give advantages and disadvantages of Visual Basic as a programming language. Explain.[6]

UNIT - II

4. (a) Design a Visual Basic project to find the sum of n even numbers using function procedure. [6]

    (b) Design a Visual Basic project to arrange the elements of 1-D array in descending order. [5]

5. (a) Write the steps for database connectivity in Visual Basic. [6]

S-541/100 (3) [P.T.O.]

(b) Discuss different data types used in Visual Basic in detail. [5]

UNIT - III

6. (a) Discuss the event handling in detail used in Visual basic with proper illustrative example. [6]

(b) Write a code to prepare each of the following: [5]

    (i) Check box

    (ii) Button

    (iii) List box

    (iv) Combo box

    (v) Radio

7. (a) What is Enumeration ? How to create it in VB ? Explain with an example. [5]

(b) Explain select case statement with if-else-if statement in VB. [6]

UNIT - IV

8. (a) What is an Array ? What are the different types of an array that are supported by VB ? Also write the syntax to declare each type of array in VB. [6]

(b) What is exception ? Explain briefly the structure exception. [5]

9. (a) Explain the use of Combo box control along with its properties, method and events. [5]

(b) Describe the file in context of VB. Also discuss why files are used. List out several types of files. [6]

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