TDC Even Semester Exam., 2019

COMPUTER SCIENCE

( Honours )

**( 4th Semester )**

Course No. : BCSH–402

**( Visual Basic )**

*Full Marks* : 35
*Pass Marks* : 12

*Time* : 2 hours

*The figures in the margin indicate full marks
for the questions*

Answer **five** questions, taking **one**
from each Unit

UNIT—I

1. *(a)* Differentiate between toolbars and toolbox.  2

   *(b)* What is integrated development environment? What is its importance?  5

2. *(a)* Write a Visual Basic program to print all the odd numbers from the first twenty natural numbers.  4

   *(b)* What are the various tabs that help us in 'customizing the environment'?  3

UNIT—II

3. *(a)* Name the six types of variables that Visual Basic recognize.  3

   *(b)* Write a Visual Basic program that prints whether a given number is prime or not.  4

4. *(a)* What are the loop statements used in Visual Basic? Give the syntax of two of them.  1+2=3

   *(b)* Write a Visual Basic program to implement binary search.  4

UNIT—III

5. *(a)* Define the following :  1×3=3

   *(i)* Scroll bars

   *(ii)* Max length

   *(iii)* Multiline

## ( 3 )

(b) What is the maximum amount of text that you can place in a text box control?     1

(c) Explain the utility of Get Data ( ) and Set Data ( ) in Visual Basic.     1½+1½=3

**6.** Explain the concept of coordinate systems in Visual Basic.     7

### UNIT—IV

**7.** Explain the concept of OLE with suitable example.     7

**8.** (a) What is multiple document interface? Explain.     3

(b) How can you convert text pad to MDI application? Explain the steps.     4

### UNIT—V

**9.** (a) Define the following :     1×3=3

(i) Left outer join

(ii) Right outer join

(iii) Inner join

(b) With an example, explain the format of SQL statements.     4

## ( 4 )

**10.** (a) Explain the syntax for opening an existing database in Visual Basic with an example.     2

(b) What do you mean by record set in Visual Basic? Explain various types of record set objects in Visual Basic with syntax for creating and opening record set of each type.     5

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