End Sem(IV) —
IT (CC – 9)

# 2022

*Time : 3 hours*

*Full Marks : 60*

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

*The figures in the margin indicate full marks.*

*Answer from both the Groups as directed.*

## Group – A

Answer **all** questions.

1. Choose the correct answer of the following :

1×10 = 10

(a) VB.NET was developed by :

   (i) SUN MICROSYSTEM COMPANY

   (ii) MICROSOFT COMPANY

   (iii) DENNIS RITCHIE

   (iv) KEN THOMPSON

( Turn over )

(b) VB.NET is successor of :

    (i)   C

    (ii)  Cpp

    (iii) Visual Basic

    (iv) None of these

(c) The first version of VB.NET (VB.NET 7.0) was developed in the year of :

    (i)   2002

    (ii)  2007

    (iii) 1998

    (iv) 2010

(d) VB.NET programming language is :

    (i)   Case sensitive

    (ii)  Not case sensitive

    (iii) Both (i) and (ii)

    (iv) None of these

(e) char data type occupies _____ bytes memory space.

    (i)   2

    (ii)  4

(iii) 6

(iv) 8

(f) Integer data type occupies _____ bytes memory space.

    (i) 10

    (ii) 4

    (iii) 8

    (iv) 6

(g) Which of the following operator returns integer quotient after division ?

    (i) /

    (ii) \

    (iii) %

    (iv) mod

(h) Which of the following is used to display a message box in VB.NET ?

    (i) ConfirmBox

    (ii) AlterBox

    (iii) MessageBox Show

    (iv) MessageBox

(i) Which is a property of the DataGrid Control ?

    (i) DataSource

    (ii) DataQuery

    (iii) DataMember

    (iv) None of these

(j) All exception classes are derived from which built-in class ?

    (i) Exception

    (ii) Finally

    (iii) SystemException

    (iv) None of these

2. Write True **OR** False :            1×5 = 5

(a) Dim keyword is used to create variable in VB.NET.

(b) VB.NET works only in CLI mode.

(c) In VB.NET inherits keyword is used for inheritance of two classes.

(d) Max Length is a property of ComboBox in VB.NET.

(e) Final() method is used to create destructor in VB.NET.

## Group – B

Anser any **three** of the following questions :

$15 \times 3 = 45$

3. What is datatype in VB.NET ? Explain each type of datatype in detail with suitable example. Also write their name, size, range and how to make variable ?

4. What is operator in VB.NET ? Explain each and every operator in detail with suitable example.

5. What is inheritance in VB.NET ? Explain each type of inheritance with suitable example.

6. What is Exception handling in VB.NET ? Explain all exception handlers in detail with suitable example.

7. What is database connectivity in VB.NET ? Also write the program to save Records into database through Database Programming using connectivity.

8. Write a program in VB.NET to input two numbers through two different textbox and to display their result into another textbox. As given below.

| First No. | |
|-----------|---|
| Socond No. | |
| Result | |

| Sum | Subtract | Multiply |
|-----|----------|----------|

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