

BCA 5th Semester Exam., 2020

WINDOWS PROGRAMMING USING VB.NET

Time : 3 hours

Full Marks : 60

Instructions :

- (i) The marks are indicated in the right-hand margin.
- (ii) There are **SEVEN** questions in this paper.
- (iii) Attempt **FIVE** questions in all.
- (iv) Question Nos. **1** and **2** are compulsory.

1. Choose the correct answer of the following
 (any six) : $2 \times 6 = 12$

- (a) The correct statement about a delegate in VB.NET is
- (i) a delegate is a strongly typed function pointer.
 - (ii) it is a type-safe function pointer.
 - (iii) delegates are used to create associations between events and event handlers in VB.NET.
 - (iv) All of the above statements are correct for a delegate.

(Turn Over)

- (b) If no access modifier is specified for a class, it is considered as
- (i) public
 - (ii) private
 - (iii) friend
 - (iv) protected
- (c) How to dereference an object in VB.NET?
- (i) By setting the object to Null
 - (ii) By setting the object to nothing
 - (iii) With close keyword
 - (iv) None of the above
- (d) Methods declared with the modifier are **not** accessible outside the class.
- (i) Private
 - (ii) Protected
 - (iii) Friend
 - (iv) Global

(e) Which of the methods is used to display the form as modal?

- (i) ShowDialog()
- (ii) Activate()
- (iii) LoadDialog()
- (iv) Show()

(f) Can a toolbar display text instead of pictures in the buttons?

- (i) No, a toolbar can only display images
- (ii) No, a toolbar can only display text
- (iii) Yes, a toolbar can display text, images or both
- (iv) None of the above

(g) The vbc.exe compiler generates

- (i) IL code
- (ii) native code
- (iii) byte code
- (iv) None of the above

(h) The metadata stored in the assembly is called

- (i) AssemblyInfo
- (ii) Manifest
- (iii) AssemblyData
- (iv) None of the above

(i) How do you create constructors in VB.NET?

- (i) Create a method and name it with the same name as class name
- (ii) Create a method and which is named as new
- (iii) Create a method and which is named as initialize
- (iv) None of the above

2. Answer any *three* of the following questions :

$4 \times 3 = 12$

(a) How do you cast in VB.NET?

(b) What is the use of new keyword?

(c) What is namespace and how is it used for accessing the data?

(d) What is garbage collection?

(e) What is the difference between a class and an object?

3. What is the difference between Dataset and Datareader? 12
4. What is the difference between friend and protected friend? Explain. 12
5. Explain MDI. Give an example to create MDI form. 12
6. Discuss ADO.NET class libraries. Give some examples. 12
7. Explain VB.NET exception handling. 12

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