

**2015**

Time : 3 hours

Full Marks : 80

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****(Objective-Type Questions)**

1. Choose the correct answer of the following :  
2×10 = 20

- (a) Which language is not a true object-oriented programming language ?  
(i) VB.NET                      (ii) VB6  
(iii) C++                        (iv) C#
- (b) Which is not a main component of the visual studio IDE ?  
(i) Solution Explorer    (ii) Tool Box  
(iii) Start Menu            (iv) Designer Window

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( Turn over )

4. (a) What are the types of generation in garbage collector ?  
(b) What is the difference between System String and system String Builder Classes ?
5. (a) What are nested classes ?  
(b) What is the differences between Dataset and Datareader ?
6. (a) What is TRACE in VB.NET ?  
(b) What is Authentication and Authorization ?
7. (a) What is Global Assembly Cache (GAC) ?  
(b) What is CLR ?
8. (a) What is serialization in .Net ?  
(b) How many languages are supported by .NET ?
9. (a) What is the difference between thread and process ?  
(b) What is Code Security ?
10. (a) What is DLL is used for Microsoft.NET run time ?  
(b) How can we store decimal data in .NET ?  
\_\_\_\_\_ ❖ \_\_\_\_\_

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BCA(II) / 15 / 15

- (c) Which are the standard prefixes for the text box and label controls respectively ?
- (i) tex and 1dl      (ii) tex and 1ab  
 (iii) txb and 1bl      (iv) txb and 1ab
- (d) Which functions displays a pop-up window ?
- (i) Label Box and Msg Box  
 (ii) Input Box and Label Box  
 (iii) Text Box and Label Box  
 (iv) Msg Box and Input Box
- (e) In the For Next statement the default value for the step is \_\_\_\_\_.
- (i) -1      (ii) 0  
 (iii) 1      (iv) 2
- (f) Which is a type of procedure found in VB.NET ?
- (i) Event      (ii) Function  
 (iii) Sub.      (iv) All of the above
- (g) Controls are called \_\_\_\_\_.
- (i) Code      (ii) Part of the menu  
 (iii) Rules      (iv) Objects
- (h) How many predefined data types does visual Basic. NET define for the use in programs ?
- (i) None

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Contd.

- (ii) 2 (Numeric and string)  
 (iii) 12  
 (iv) 1
- (i) Which is an example of Visual Basic Objects ?
- (i) Control objects      (ii) ASP.NET  
 (iii) ADO.NET      (iv) All of the above
- (i) In event-driven programming an event is generated by \_\_\_\_\_.
- (i) The system  
 (ii) A user saction  
 (iii) The program itself  
 (iv) All the above
- Group - B**
- (Long-answer type Questions)**
- Answer any **four** questions of the following :  
 15×4 = 60
2. (a) What is JIT ?  
 (b) What are option strict and option explicit ?
3. (a) What is Re Dim keyword and its use ?  
 (b) What are all the differences between Dispose and Finalize ( ) ?

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( Turn over )