

Roll No.

Total Pages : 3

311504

December 2022
BCA Vth Semester
VB.NET (BCA-17-304)

Time : 3 Hours]

[Max. Marks : 7S

Instructions :

1. *It is compulsory to answer all the questions (1.5 marks each) of Part-A in short.*
2. *Answer any four questions from Part-B in detail.*
3. *Different sub-parts of a question are to be attempted adjacent to each other.*

PART-A

1. (a) What are the different types of Assemblies used in .Net? (1.5)
- (b) How Platform Invoke is used to achieve Interoperability among Managed and Unmanaged code? (1.5)
- (c) What is the advantage of Intellisense Feature? (1.5)
- (d) List out any *three* Window Form Methods (). (1.5)
- (e) What is the order of calling Base class and Derived class Instance and Shared constructors? (1.5)

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- (f) What are Short-cut keys? How they are created? (1.5)
- (g) Distinguish between ADO and ADO.Net. (1.5)
- (h) Write code to display a MessageBox, with three buttons Abort, Retry and Cancel. Also a Question Mark Icon be displayed on Messagebox. (1.5)
- (i) What are the essential components of ADO.Net? (1.5)
- (j) What are Mutable Strings? Name some methods to handle Mutable Strings. (1.5)
2. (a) What is CLR ? Why it is called the heart of .Net Framework. (5)
- (b) Write short note on following :
- (i) Value Type Vs. Reference Type.
- (ii) IL and JIT. (10)
3. (a) What are the essentials elements of VB.Net? WAP in VB.Net to print the sum of first five positive integers entered by the user. (10)
- (b) What navigational features are available in Visual Studio .Net Framework? (5)
4. How a Class is different from a Structure? What are the different types of procedures used in VB.Net, explain each with the help of programming example in VB.Net. (15)

5. (a) What are Menus? WAP in VB.Net to create a project having three menu items Bold, Italics and UnderLine, also write the code for all three menu items. (5)
- (b) Explain Common Dialog Boxes used in VB.Net. (10)
6. (a) Draw the object model diagram of ADO.Net and List out the properties and Methods of Data Adapter, Data Reader and Dataset Class. (10)
- (b) WAP in VB.Net to navigate through records of a table. (5)
7. Write short note on following (any three) :
- (i) Data Filtering.
- (ii) Parameter Arrays.
- (iii) .Net Assembly.
- (iv) System Namespace. (15)
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