May 2019

B.Tech(IT)-VI SEMESTER
.NET Technology(IT310)

Time: 3 Hours   Max. Marks:60

Instructions:
1. It is compulsory to answer all the questions (2 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

Q1 (a) Differentiate between managed and unmanaged code. (2)

(b) Define the terms :-CTS and CLS . (2)

(c) Explain Tasklist in visual studio. (2)

(d) Define Jagged array in C#. (2)

(e) Differentiate between Boxing and Unboxing? (2)

(f) Explain Indexer. (2)

(g) Differentiate between DataReader and DataSet in ado.net. (2)

(h) Differentiate between abstract class and interface. (2)

(i) What are the settings that can be done in Web.configfile. (2)

(j) Explain webservice. (2)

PART -B

Q2 (a) Explain .net framework architecture and its goals in detail. (5)
(b) What is an assembly? Explain different types of assemblies and also explain (5)
system namespace.

Q3 (a) What is event procedure? Write a program using event procedure. (5)
(b) Write a programin C# or in Vb.net using five controls and also use atleast two (5)
properties of each control in the program.

Q4 (a) Write a program in C# or in VB.net to create a menu and toolbar. Also add (5)
some functionality to the menu and toolbar.
(b) Explain delegates in detail. (5)

Q5 (a) Explain Architecture of ADO.Net in detail. Write a program in C# or VB.net to (5)
fetch the data from the database table and display the data in datagrid control.
(b) Explain polymorphism in details using suitable programs. (5)

Q6 (a) Differentiate between Authentication and Authorization. Explain different types of (5)
authentication in asp.net.
(b) Explain different types of validation controls in asp.net. (5)