

M. SC. (Computer Science) SEM – III (Choice Based Credit & Grade System) : WINTER - 2018

SUBJECT: .NET TECHNOLOGIES

Day : Wednesday
Date : 24/10/2018

W-2018-1054

Time: 03.00 PM TO 06.00 PM
Max. Marks: 60

N. B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat diagram **WHEREVER** necessary.
-

Q.1 Explain with an example neat and labeled diagram of objects used in connected ADO.NET architecture. **(15)**

OR

Create a web service to calculate perimeter of a circle and write steps to implement that web service in windows and web application.

Q.2 A) Answer **ANY ONE** of the following: **(08)**

- i) Write a code to write the data into the Binary file.
- ii) Explain various state management techniques at client side.

B) Answer **ANY ONE** of the following: **(07)**

- i) Explain with an example overriding and shadowing.
- ii) Write a code to handle "DivideByZeroException".

Q.3 Answer **ANY THREE** of the following: **(15)**

- a) Differentiate between C# and ASP.NET.
- b) What are events in C#.NET. Give an example of handling user defined events in C#.NET.
- c) What are types of assemblies in ASP.NET? Write steps to create shared assembly.
- d) What are types of JIT compiler?
- e) Explain SqlDataAdapter and DataSet object in ASP.NET.

Q.4 Write short notes on **ANY THREE** of the following: **(15)**

- a) StreamReader
- b) Session and Application
- c) Cookies and ViewState
- d) Access modifiers in ASP.NET
- e) MSDN

* * * * *