

Department of Computer Science and Technology
Uka Tarsadia University

M.Sc.(CA) (1st Semester)

Course : 040020103 - Web Development using ASP.NET

Duration : 3 Hours

Max. Marks: 60

Date : 01-05-2013

Instructions:

1. Attempt all questions.
2. Write each section in a separate answer book.
3. Make suitable assumptions wherever necessary.
4. Draw diagrams/figures whenever necessary.

SECTION – 1

Q-1 (A) Do as directed.

[06]

- I) ASP.NET control begins with the _____ prefix.
- II) How can you convert any static HTML control into an HTML-server control?
- III) We can fill dataset using DataReader.Fill() method True or False ? Give Justification.
- IV) List any two database providers available in ASP.NET.
- V) What is use of duration attribute of @OutputCache page directive.
- VI) What is a Lambda expression?

Q-1 (B) Answer the following in brief. (Any 4)

[08]

- I) List out different methods of redirecting users from one page to another page.
- II) What is State Management? How many ways are there to maintain a state in .NET?
- III) What do you mean by disconnected data access architecture of ADO.NET? Give Example.
- IV) Justify “the cache object is thread safe”.
- V) What do you mean by LINQ to SQL?
- VI) List out any four events that are fired when a page loads?

Q-2 Answer the following.

[08]

- A) Discuss any four event of gridview.

OR

- A) Write C# code to use transaction in ADO.NET.
- B) Explain connected layered architecture class DataReader with example.

OR

- B) Explain disconnected layered architecture class DataSet with example.

Q-3 Answer the following in detail. (Any 2)

[08]

- A) Draw diagram for ADO.NET architecture and Explain each component in short.
- B) Explain with example at least two validation controls in ASP.NET?
- C) Explain output caching with necessary code.

SECTION – 2

Q-4 (A) Do as directed.

[06]

- I) What is extension of skin file?
- II) What is sitemap path control?
- III) What is full form of AJAX?
- IV) What is Authorization?
- V) Define MVC.
- VI) The Membership API-Related Classes belong to _____ Namespace.

Q-4 (B) Answer the following in brief. (Any 4)

[08]

- I) Why user control is required?
- II) Which classes are used as .NET Cryptography Classes?
- III) Write down at least two advantages of themes?
- IV) What is Authentication? List out Possible authentication systems.
- V) Write a code to send a mail from ASP.NET application.
- VI) What are the benefits of Membership API framework?

Q-5 Answer the following.

[08]

- A) What are the different ways to apply CSS? Explain at least two in detail.

OR

- A) Explain TreeView control with example.
- B) Explain MultiView control with example.

OR

- B) Write a code to insert data into XML file and read from XML file.

Q-6 Answer the following in detail. (Any 2)

[08]

- A) What are the advantages of masterpage?
- B) Explain rules for well-formed XML document.
- C) Explain Forms Authentication.