

~~Tyber~~  
TYD7 (Aspnet) / (25)

Sem V

April - 2018

Q.P. Code :23205

(Time: 2 1/2 hours)

Total Marks: 75

- N. B.: (1) All questions are compulsory.  
(2) Make suitable assumptions wherever necessary and state the assumptions made.  
(3) Answers to the same question must be written together.  
(4) Numbers to the right indicate marks.  
(5) Draw neat labeled diagrams wherever necessary.  
(6) Use of Non-programmable calculators is allowed.

1. **Attempt any two of the following:** 10  
a. Explain the role of CLR and CTS in .NET framework.  
b. What is namespace? Explain System namespace in brief.  
c. What are constructors? Explain the concept of static constructor.  
d. Explain different keywords used for interrupting loops.
2. **Attempt any two of the following:** 10  
a. Differentiate Private and Shared Assembly.  
b. Explain ASP.NET Page Lifecycle.  
c. What is delegate? Explain the process of delegate implementation.  
d. Explain the different selectors in CSS in ASP.NET?
3. **Attempt any two of the following:** 10  
a. What is post-back event? Explain with suitable example.  
b. Name the ASP.NET application file that is used to serve application-level and session-level events and explain the same in detail.  
c. Give comparison between checkbox and radio button control.  
d. Explain Request and Response Objects in brief.
4. **Attempt any two of the following:** 10  
a. Explain CompareValidator and RangeValidator with its properties.  
b. What are the different techniques used in ASP.NET to send data from one Webform to another? Explain any one technique in detail.  
c. Explain Content Page and Master Page with suitable example.  
d. Explain the following properties in SiteMapPath control:  
i) PathSeparator  
ii) PathDirection  
iii) ParentLevel
5. **Attempt any two of the following:** 10  
a. Explain ADO.NET object model with suitable diagram.  
b. What is role of the following classes when using SQL SERVER database in ASP.NET applications?  
i) **SqlConnection**  
ii) **SqlCommand**  
iii) **SqlParameter**  
Also mention the namespace to be included to use these classes.  
c. Explain Authentication and Authorization with suitable example.  
d. Explain DataPager Control. Write the steps for implementing.

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6. Attempt **any two** of the following:

10

- a. What is LINQ? Explain in brief LINQ to object.
- b. What is AJAX? What are the advantages of AJAX?
- c. Explain any 5 **jQuery** selectors.
- d. Write an JQuery application code for hiding " I Love my India" on click button.

7. Attempt **any three** of the following:

15

- a. Differentiate Abstract classes and Interfaces in C#?
  - b. Explain different types of CSS in ASP.NET.
  - c. Explain inline code and code behind.
  - d. Explain the role of TreeView control in ASP.NET applications.
  - e. Differentiate **DataReader** and **DataAdapter** in ASP.NET.
  - f. Explain the syntax and purpose of Document Ready Function.
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