

TYBSCIT

(2½ 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:

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- Explain .NET framework 4.0 with diagram in detail.
- What is CLR? Explain the role of CLR in .NET framework.
- Explain the features of static member and static function.
- Explain with suitable example about sealed class and method.

2. Attempt any two of the following:

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- Explain the concept of private and shared assembly.
- What is namespace? Explain System namespace.
- Explain ASP.NET page life cycle.
- What is Garbage collector? Explain how it is implemented.

3. Attempt any two of the following:

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- Explain the usage of button control with suitable example.
- Explain the use of web.config and global.asx files in ASP.NET application.
- What is the difference between Label and Link Label?
- Explain any two ASP.NET server control.

4. Attempt any two of the following:

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- Explain Validation controls available in ASP.NET.
- Write a note on state management in ASP.NET.
- Explain the work of session state in ASP.NET.
- Explain any two Site Navigation Controls in ASP.NET.

5. Attempt any two of the following:

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- Explain ADO.NET object model with help of suitable diagram.
- Explain in brief the Data Bound Controls.
- Explain in brief about an authentication and authorization.
- Differentiate between DataSet and DataReader.

6. Attempt any two of the following:

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- What is LINQ? Give its advantages.
- Explain the working of AJAX.
- Explain the syntax of jQuery with the example.
- List and explain jQuery selectors.

7. Attempt any three of the following:
- a. Explain the concept of boxing and unboxing.
 - b. Explain the concept of Events and Delegates with suitable example.
 - c. What is CSS? Explain internal and external CSS.
 - d. What is master page? Explain the advantages of using master page.
 - e. Explain DataAdapter object in ADO.NET.
 - f. Explain following Ajax controls with example and properties.
 - i. ScriptManager Control
 - ii. Timer Control
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