

M.Sc. (Computer Science) (NEP Pattern) Semester-II  
**02MSCCS01 - Paper-I : Web Designing Using ASP .NET**

P. Pages : 2

Time : Three Hours



**GUG/S/25/15359**

Max. Marks : 80

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- Notes :
1. All the questions are compulsory and carry equal marks.
  2. Draw neat and labelled diagrams wherever necessary.
  3. Avoid vague answers and write specific answers related to questions only.

**Either:**

1. a) Explain the key differences between ASP and ASP.Net. 8
- b) Discuss the main features of ASP.Net. 8

**OR**

- c) What are the security benefits of using ASP.Net. 8
- d) Explain the different types of controls in ASP.Net web forms. 8

**Either:**

2. a) Explain the process of converting an HTML form to an ASP.Net web form. 8
- b) What is ADO.Net? How does it handle data access in ASP.Net. 8

**OR**

- c) What is data paging in ASP.Net? Why it important? 8
- d) Explain the role of web.config file in an ASP.Net project. 8

**Either:**

3. a) What are web controls in ASP.Net? Explain their importance. 8
- b) Explain validation controls and their types in ASP.Net. 8

**OR**

- c) Write a detail note on Data Binding in ASP.Net. 8
- d) Explain the try-catch-finally block for handling errors in ASP.Net. 8

**Either:**

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|-----------|----|---|----------|
| <b>4.</b> | a) | How can you create a web service in ASP.Net? Explain with procedure.  | <b>8</b> |
|           | b) | What are the different types of testing for ASP.Net web Applications? | <b>8</b> |

**OR**

- |           |    |   |          |
|-----------|----|---|----------|
|           | c) | Explain the common debugging techniques in ASP.Net.                 | <b>8</b> |
|           | d) | Describe the process of deploying a ASP.Net application to IIS.     | <b>8</b> |
| <b>5.</b> |    | Solve all the questions.  |          |
|           | a) | Explain the architecture of web services in ASP.Net.                | <b>4</b> |
|           | b) | What are events in ASP.Net? Explain their importance.               | <b>4</b> |
|           | c) | Explain how transactions can be managed in ADO.Net.                 | <b>4</b> |
|           | d) | Explain the different types of authentication available in ASP.Net. | <b>4</b> |

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