

**M.Sc. (Computer Science) Semester—IV**  
**MCS-401 : ADVANCED WEB TECHNOLOGIES**  
**USING ASP.NET**

Time Allowed—3 Hours] [Maximum Marks—100

**Note :—** Attempt any FIVE questions. All questions carry equal marks.

1. Explain the following validation controls with examples :
    - (a) Compare validator
    - (b) Custom validator
    - (c) Range validator
    - (d) Regular Expression validator.
  2. Write an ASP page to allow the user to enter his/her age (numeric value between 1 and 99). Apply proper validations and generate required error messages in case. The field is mandatory.
  3. Design a form and write code to :
    - (a) Populate and display item's names in a dropdown list.
    - (b) Select an item from dropdown list and display its details in underlying text boxes.
    - (c) Add a record.
    - (d) Delete selected record.
- Use connected architecture. Name of Table : ItemMaster (ItemNo. Name, Description, Unit of Measure, Price);  
Name of Server : MyAspDB (SQL Server).

4. Explain ADO.NET object model with a suitable diagram.
5. Create an application that displays data from the Students table in a DataGridView and then displays the selected student's marks in the same DataGridView when a button is clicked.
6. What are database objects ? Explain how database objects are built with the .NET framework.
7. Briefly explain session state and session events.
8. Write short notes on the following :
  - (a) Rich controls
  - (b) Browser cookies.

http://www.gnduonline.com

Whatsapp @ 9300930012

Your old paper & get 10/-

पुराने पेपर्स भेजे और 10 रुपये पायें,

Paytm or Google Pay से