

Exam. Code : 206704

Subject Code: 5259

M.Sc. Computer Science 4th Semester  
ADVANCED WEB TECHNOLOGIES USING  
ASP.NET

Paper—MCS-401

Time Allowed—3 Hours]

[Maximum Marks—100

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

1. What are various standard controls to display image and text information in ASP.NET ? How hyperlink controls are used ? 20
2. Discuss the procedure for applying validation controls in form data. How regular expressions are used in validations ? Explain by taking an example. 20
3. What are different calendar operations ? State and explain the method of displaying advertisement. 20
4. What is master page ? Discuss the method of loading master page dynamically. 20
5. How ASP.NET makes connection with database ? Explain the data retrieval using SQL commands. 20

6. What are various parameters available in dropdown list control ? How it differs from bulleted list ? Create a form by inserting dropdown list and bulleted list in it. 20
7. Discuss the following :—
- (a) Grid view control.
  - (b) ADO.NET
  - (c) Cookies
  - (d) User Profiles. 4×5
8. Explain different methods of caching application pages ? What is SQL dependency on cache ? Explain. 20