M.Sc. Computer Science 4th Semester

ADVANCED WEB TECHNOLOGIES

Paper—MCS-401

Time Allowed—2 Hours]　　　[Maximum Marks—100

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

1. (a) What is meant by server side scripting ? Explain by writing an example of PHP script.

   (b) Discuss the important features of CSS.

2. (a) Explain the steps for submitting form's data and displaying images.

   (b) What are different panel controls available for website designing ? Explain.

3. (a) Demonstrate the working of compare validator control by taking suitable examples.

   (b) Discuss the use of custom validator controls.

4. (a) What are different steps for displaying advertisements on a web page ? Explain.

   (b) Write an HTML script for displaying different views of web page.

5. (a) What is the procedure for loading master pages dynamically on a website ? Explain.

   (b) Explain the procedure for fetching and displaying SQL data source.

6. Explain the following controls :

   (a) Radio button list control

   (b) List-box control.

7. (a) Demonstrate the execution of database commands synchronously using ADO.NET.

   (b) What is meant by session ? Why session management is required ? Explain.

8. (a) How the data source caching for webpages helps in accessing components ?

   (b) What are user profiles ? How user profiles help in maintaining state of web application ? Explain.