

5. (a) What is the procedure for Creation and Modification of master pages for a website ? Explain.
(b) Explain any five commands for creation and manipulation of SQL data source.
6. Explain the following controls :
 - (a) Dropdown list control
 - (b) Grid View control.
7. (a) Describe the methods used for executing connection oriented data access using ADO.NET.
(b) What are browser cookies ? Why cookies are required ? Explain.
8. (a) How the partial caching of webpages help in accessing components ?
(b) Explain different SQL cache dependencies by taking suitable examples.

Exam. Code : 206704
Subject Code: 4814

M.Sc. Computer Science 4th Semester
ADVANCED WEB TECHNOLOGIES
Paper : MCS-401

Time Allowed—2 Hours] [Maximum Marks—100

Note :— There are **Eight** questions of equal marks. Candidates are required to attempt any **Four** questions.

1. (a) What is meant by client side scripting ? Explain by taking example for Java Script.
(b) Discuss the important features of ASP.NET.
2. (a) Explain the steps for displaying user's information and accepting inputs from user.
(b) What are different standard controls available for displaying images and hyperlinks ? Explain.
3. (a) Differentiate field validator and range validator controls.
(b) Discuss the use of regular expressions for validations.
4. (a) What are different steps for uploading files on a web page ? Explain.
(b) Write an HTML script for displaying calendar on a web page.