

Exam. Code : 206704

Subject Code : 8401

M.Sc. (Computer Science) Semester—IV

**WCS-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. What are the various ways of accepting user input in ASP.NET? How validation controls are used to validate the user input?
2. Explain with a suitable example how data can be created, added, deleted and edited in a disconnected environment.
3. Write a Sectional Code for the following :
 - (a) Disable the next and previous months buttons of a calendar control, also make a provision that user can not be able to select the dates from other months.
 - (b) Create an application using FileUpload Control, which will upload your photo, and display it in a Image Control. The file type must be image only and file size should not exceed 1 MB.
4. Explain Content Page and Master Page with an example. How themes are used to create Master pages?

5. What are the various types of columns that can be used in DataGrid View ? What is the purpose of each ? How columns can be added and deleted in DataGrid View ?
6. Explain ADO.NET object model with a suitable diagram. Also list all the steps in order to access a database through ADO.NET.
7. Write a program that adds a cookie collection of HttpResponse at the click event of a button. Also set the expiry date of the cookie to 2 days from now.
8. Write short notes on the following :
 - (a) AdRotator Control
 - (b) Cookies
 - (c) Caching
 - (d) Profiles.