

Exam. Code : 208603

Subject Code : 3707

**M.Sc. Information Technology 3rd Semester**  
**MIT-302 ADVANCED WEB TECHNOLOGIES**

Time Allowed—3 Hours] [Maximum Marks—100

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

1. Discuss the features of following Web development tools :
  - (a) HTML 10
  - (b) CSS. 10
2. What are the standard controls for accepting user input and submitting form data ? Explain their working. 20
3. (a) Explain the concept of validation control. 10  
(b) Discuss the role of custom validator control and range validators. 10
4. Discuss the procedure of designing the web site using the following :
  - (a) Master pages 10
  - (b) Displaying advertisements and wizards. 10
5. (a) How database connections are created and how database commands are executed ? Explain. 10  
(b) Compare the use of different list controls. 10

6. What is the role of different grid view controls ? How are they used for control events ? Explain. 20
7. Why caching applications and data are useful ? Discuss the data source caching and page caching. 20
8. Write short notes on the following :
- (a) ADO.NET 10
- (b) Browser cookies. 10