

Reg. No.



**Manipal Institute of Technology**  
(A Constituent Institute of Manipal University)



**III SEMESTER M. C. A.  
END SEMESTER EXAMINATION – NOV/DEC 2015**

**SUBJECT: ASP.NET [MCA-5101]**

**25-11-2015**

**Time : 3 hours**

**Max. Marks : 50**

**Instructions to Candidates**

1. Answer ANY FIVE FULL questions.
2. Missing data may be suitably assumed.

- 1A Explain the components and features of CLR in .NET framework.  
1B List out the difference between label and literal control  
1C What are IsPostBack and IsValid attributes of an application page?

(5 + 3 + 2)

- 2A How to implement data concurrency using SqlDataSource control? Explain with an example.  
2B Explain the usage of Template Field in GridView control.  
2C Explain Eval and Bind method of Data bound class.

(5 + 3 + 2)

- 3A Write an ASP.NET application to display five image icons horizontally. When any one of the images is clicked, it must be displayed below. On clicking the displayed image it must be cleared.  
3B Write an ASP.NET application to depict the usage of SqlCommandBuilder in disconnected model of ADO.NET framework.  
3C When are the events RowUpdating and RowCommand triggered in GridView control?

(5 + 3 + 2)

- 4A Write an ASP.NET application, to display employee name in a DropDownList and based on selected value in the DropDownList display details of the employee. (Assume the employee details)
- 4B Write an ASP.NET application to get email input from the user and validate it for the following condition.
- Local part of the email id should be alphanumeric and may include - or \$ followed by @manipal followed by .edu or .org
- Use relevant validation controls.
- 4C Discuss the significance of impression and keyword property of AdRotator control. (5 + 3 + 2)
- 5A Write an ASP.NET application to perform user registration. After the user registers send a notification mail. (Mention the configuration details also)
- 5B Explain different ASP.NET authorization types with their configuration syntax.
- 5C When is DayRender event of Calendar control triggered? Does it trigger a Page postback? Justify your answer. (5 + 3 + 2)
- 6A Write an ASP.NET application, where you can view your friend's photos and comment on it.
- 6B Explain the role of returnUrl query string in redirecting the user from login page to secured page.
- 6C What are multivalued cookies? Explain with an example. (5 + 3 + 2)