

**PARUL UNIVERSITY**  
**FACULTY OF IT & COMPUTER SCIENCE**  
**MCA, Winter 2017 –18 Examination**

**Semester: 5**  
**Subject Code: 05201302**  
**Subject Name: Web Application Development**

**Date: 23/12/2017**  
**Time: 10:30am to 1:00pm**  
**Total Marks: 60**

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**Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

**Q.1 Answer the followings.****A. Write short notes. (Each of 01 marks)****(05)**

1. What is JIT compiler?
2. What is Query String?
3. List any four Data Source controls.
4. What is MSIL?
5. What is the use of Master Page?

**B. Multiple choice type questions. (Each of 01 marks)****(10)**

1. \_\_\_\_\_ Attribute must be set on a validator control for the validation to work.  
(a) ValidationGroup                      (b) ControlToValidate  
(c) Error                                      (d) TabIndex
2. Which of the following transfer execution directly to another page?  
(a) Response.Redirect                      (b) Redirect  
(c) Both                                        (d) None of these
3. You can have only one Global.asax file per project. (True / False)
4. Fill() method do you invoke on the DataAdapter control to load your generated dataset with data. (True / False)
5. \_\_\_\_\_ server control shows data in a tabular format and allows sorting, paging, edit, delete and search?  
(a) Listview                                      (b) Gridview  
(c) Datalist                                        (d) Dataset
6. Which ADO.NET object is used only for read only and forward only data?  
(a) ExecuterReader                              (b) DataReader  
(c) ExecuteScaler                                (d) DataTable
7. The .NET Framework provides a runtime environment called CLR. (True / False)
8. The first event triggers in an aspx page is \_\_\_\_\_.  
(a) Page\_Load()                                (b) Page\_Init()  
(c) Page\_Exit()                                 (d) Page\_Resume()
9. \_\_\_\_\_ is not a member of ADODB Command object.  
(a) DataStream                                 (b) ExecuteStream  
(c) Stream                                        (d) StreamExecute
10. \_\_\_\_\_ is File extension used for ASP.NET web page.  
(a) .asax                                         (b) .aspx  
(c) .master                                        (d) .config

**Q.2 Answer the followings. (2 or 3 Mark Questions.)****(15)**

1. What is DbCommand? **(02)**
2. What is Gridview? **(02)**
3. What is global.asax? **(02)**
4. Explain RequiredField validation Control in brief. **(03)**
5. Explain three server controls in detail. **(03)**
6. What is Common Type System. **(03)**

**Q.3 Answer the following. (Any three) (Each of 05 marks)****(15)**

1. Explain any one loop control.
2. Explain ADO.NET Architecture.
3. Explain LINQ with example.

4. What is CLR?

**Q.4 Answer the following.**

**A.** What is connection string? What is the use of connection string?

**(05)**

**B.** Explain Stored Procedure with example.

**(10)**

**OR**

**B.** Explain .NET Framework with diagram.

**(10)**