

**PARUL UNIVERSITY**  
**FACULTY OF IT & COMPUTER SCIENCE**  
**MCA/IMCA Winter 2019 – 20 Examination**

**Semester: 5/9****Date: 27/11/2019****Subject Code: 05201302/05301502****Time: 10:30am to 01:00pm****Subject Name: Web Application Development****Total Marks: 60****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. Do as directed.****(05)**

1. What is Query String?
2. List out different data provider available in .NET.
3. What is the use of JIT compiler?
4. Explain term MSIL.
5. What is the use of Master Page?

**B. Do as directed.****(10)**

1. .NET Framework provides a runtime environment called CLR. (True / False)
2. First event triggers in an aspx page is Page\_Load(). (True / False)
3. .aspx is file extension used for ASP.NET files. (True / False)
4. You can have minimum one web.config file per project. (True / False)
5. \_\_\_\_\_ Attribute must be set on a validator control for the validation to work.  
(a) ValidationGroup                      (b) ControlToValidate  
(c) Error                                      (d) TabIndex
6. Cookies are stored at \_\_\_\_\_.  
(a) Server Side                      (b) Client Side  
(c) Both                                      (d) None of these
7. \_\_\_\_\_ server control shows data in a tabular format and allows sorting, paging, edit, delete and search?  
(a) Listview                                      (b) Gridview  
(c) Datalist                                      (d) Dataset
8. \_\_\_\_\_ method is used to perform delete command in Gridview.  
(a) onclick()                                      (b) onrowdeleting()  
(c) bind()                                      (d) onrowdeleted()
9. Which ADO.NET object is used only for read only and forward only data?  
(a) ExecuterReader                      (b) DataReader  
(c) ExecuteScaler                      (d) DataTable
10. How many cookies we can store per server / domain?  
(a) 20                                      (b) 40  
(c) 8                                      (d) None of these

**Q.2 Attempt any five.****(15)**

1. Write a short note on CTS.

2. List out various validation control available in ASP.NET. Explain any one control in detail.
3. Explain any three server controls with example.
4. What is DbCommand?
5. Write a short note on web.config file.
6. Explain any six server control properties.

**Q.3 Attempt ant three. (15)**

1. Write a short note on LINQ.
2. Explain Stored Procedure with example.
3. What is connection string? What is the use of connection string?
4. Explain do while loop in detail.

**Q.4 Answer the following in detail.**

**A.** Explain ADO.NET Architecture. **(05)**

**B.(1)** Explain Conditional Statements with proper example. **(05)**

**B.(2)** What is CLR? **(05)**

**OR**

**B. (1)** Explain .NET Framework with diagram. **(05)**

**B.(2)** Write a Short Note on Grid View. Explain with example. **(05)**