PARUL UNIVERSITY
FACULTY OF IT & COMPUTER SCIENCE
MCA Summer 2017 – 18 Examination

Semester: 5   **Date: 12/06/2018**
Subject Code: 05201302   **Time: 10.30 am to 1.00 pm**
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. Write short notes.   **(05)**
     1. What is the use of web.config file?
     2. What is cookie?
     3. Why is Global.asax used?
     4. List any one way to maintain the state.
     5. What is the use of SqlDataReader?
  B. **Multiple choice type questions (Each of 01 marks)**   **(10)**
     1. File extension used for ASP.NET files is :
        (a) .web   (b) .aspx (c) .asp   (d) .asmx
     2. What is function of aspx.cs file?
        (a) To store design logic (b) To store business logic (c) both a and b (d) None of these
     3. Which of the following is not a member of ADODB Command object?
         (a) ExecuteScalar (b) ExecuteStream (c) Open (d) ExecuteReader
     4. Default Session data is stored in _____
         (a) StateServer (b) Session Object (c) InProcess (d) all of the above
     5. By default, code written with the Debug class is stripped out of release builds. State:
        True/False
     6. The .NET Framework provides a runtime environment called ?
        (a) RMT   (b) CLR   (c) RT   (d) RC
     7. The .NET framework which provides automatic memory management
        using a technique called _____
         (a) Serialization (b) Garbage Collection (c) Assemblies   (d) Overriding
     8. The first event triggers in an aspx page is.
         (a) Page_Init()   (b) Page_Load()   (c) Page_Click()
     9. What is the base class from which all Web forms inherit?
         (a) Master Page (b) Page Class (c) Session Class (d) None of the Above
     10. Which of the following transfer execution directly to another page?
         (a) Server.Transfer (b) Response.Redirect (c) Both a and b (d) None of the these

Q.2 **Answer the followings.**   **(15)**
     1.   What is the use of connection string? (2 Marks)
     2.   What is state management? (2 Marks)
     3.   Write in brief about MSIL. (2 Marks)
     4.   What is JIT compiler? (3 Marks)
     5.   Explain about any 2 web controls. (3 Marks)
     6.   Explain LINQ in brief. (3 Marks)

Q.3 **Answer the following. (Any three)**   **(15)**
     1.   Explain .NET Framework with proper diagram.
     2.   What is web page? Explain with example.
     3.   Write a short note on session state.
     4.   What is ADO.net? Explain ADO.net architecture.

Q.4   Answer the following.
A.   What is master page and content page? What is the use of master page? Explain with example.   **(05)**
B.   What is stored procedure? Write down advantages of it.   **(10)**

<div align="center">**OR**</div>

B.   Create a web application that performs the basic operations of calculator.   **(10)**