Reg. No. :

Question Paper Code : 40881   26/04/18

(FN)

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2018

Sixth Semester

Computer Science and Engineering

CS 6001 – C# AND .NET PROGRAMMING

(Common to : Information Technology)

(Regulations 2013)

Time : Three Hours   Maximum : 100 Marks

Answer ALL questions

PART – A   (10×2=20 Marks)

1. Relate Boxing and Unboxing.

2. Can "this" be used within a static method ? Justify your answer.

3. Difference between throw exception and throw clause.

4. Recall early binding and late binding.

5. Define ADO.Net model.

6. Give the advantages of stored procedures.

7. In which event, all the controls will be fully loaded ?

8. List out the server side state management options supported by ASP.NET.

9. What is PF files ?

10. How can we produce an assembly ?

PART – B   (5×13=65 Marks)

11. a) i) Write a C# program to check whether the entered year is a Leap year
        or not.   (5)

    ii) Write a C# program to find the length of the Jagged Array using predefined
        functions.   (8)

(OR)

    b) Explain in detail about the class which can be used when you want to modify
       a string without creating a new object.   (13)

12. a) i) Write a C# program to convert feet to inches using delegates. **(7)**

   ii) Write a C# program to illustrate the concept of Passing Parameter for thread. **(6)**

        (OR)

 b) i) Write a C# program to demonstrate hierarchical inheritance. **(7)**

   ii) Write a C# program to demonstrate IndexOutOfRange Exception. **(6)**

13. a) i) Differentiate between model and modeless dialog box. **(5)**

   ii) Create a window form with events and controls using an example. **(8)**

        (OR)

 b) Explain briefly about the following features with ADO.Net.

   i) Updating Database using Stored Procedures. **(7)**

   ii) Connecting SQL Server with ADO.Net. **(6)**

14. a) Explain the following concepts :

   i) Passing and returning data sets from web services. **(8)**

   ii) Handling exceptions from SQL server. **(5)**

        (OR)

 b) Illustrate the following :

   i) Virtual Directory. **(6)**

   ii) Session management Techniques. **(7)**

15. a) Explain in detail about attributes and versioning. **(13)**

        (OR)

 b) Discuss in detail about Marshalling, Remoting and Security in .Net. **(13)**

      PART – C   **(1×15=15 Marks)**

16. a) Develop an C# windows forms application for students enrollment in Inter-College Technical Contest, with appropriate form events, controls, menus and dialog boxes. **(15)**

        (OR)

 b) Develop an ASP.Net Web application for Bus Ticket Reservation System - Ticket Availability, Ticket Booking and Ticket cancellation. **(15)**