Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code : 60360

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2016.

Seventh Semester

Computer Science and Engineering

CS 2041/CS 706/10144 CSE 42 — C# AND .NET FRAMEWORK

(Common to Information Technology)

(Regulations 2008/2010)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. List the essential features of good abstraction.

2. Write the advantages of Encapsulation.

3. What is inheritance?

4. Define : Polymorphism.

5. What is File Operation?

6. What is Multitasking?

7. Create a Checked List Box in C# and add items into it.

8. Create a data relation among any two tables of a database.

9. Write the important role of SOAP.

10. List out the types of client side validation control supplied with ASP.NET

PART B — (5 × 16 = 80 marks)

11. (a) (i) Explain the object oriented programming concepts in detail.   (8)

        (ii) Briefly explain the Framework and Overview of .NET.   (8)

                                    Or

    (b) (i) Describe in detail about the Input and Output Operations in C#. (8)

        (ii) Discuss in detail about the Expressions.   (8)

12. (a) Explain about concepts of operator overloading in detail. (16)

Or

(b) Discuss about :
    (i) Indexes
    (ii) Delegates. (8 + 8)

13. (a) (i) How to Create a Data Structure in C#? Explain. (8)
    (ii) Discuss about Multithreathng in detail. (8)

Or

(b) (i) Explain in detail on file operation. (8)
    (ii) Write in detail on synchronization with example. (8)

14. (a) Create a Windows application with the following attributes and controls

    Name   TextBox
    Date of Birth   Calender Control
    Degree   ComboBox :
    Extra Curricular activities :   Checked List Box (Singer, Artist, Player, Dancer)
    Submit   Button
    Form Details   Text Box

    and also list out the categories of controls supported in window based application and explain the importance of each.

Or

(b) Write a database application to display the details of student table details in a data grid control using ADO .NET.

15. (a) (i) Briefly discuss about comparison of server and client validations. (8)
    (ii) Explain Web Forms Grid View Control. (8)

Or

(b) (i) What is web service enhancement? Explain with an example. (8)
    (ii) Explain the steps involved in application development. (8)

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