

01/11/18 (Pw)

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Question Paper Code : 20339

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2018.

Sixth Semester

Computer Science and Engineering

CS 6001 — C# AND .NET PROGRAMMING

(Regulations 2013)

(Common to Information Technology)

(Also common to PTCS 6001 — C# and .Net Programming for B.E. (Part-Time) —
Sixth Semester — Computer Science and Engineering — Regulations — 2014)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. State the Characteristics of C#.
2. Differentiate static and non-static members of a class.
3. What are Sealed classes?
4. Define an Event.
5. Compare modal and modeless Dialog.
6. List the advantages of ADO.NET model.
7. Why do we need virtual directory?
8. Name the benefits provided by XML classes in .NET.
9. Recall private and shared assemblies.
10. List the information stored in the configuration file for remoting.

PART B — (5 × 13 = 65 marks)

11. (a) (i) Write a C# program to Get a Number and Display the Number in its Reverse order. (7)
(ii) Write a C# program to Sort a List of Names in Alphabetical Order. (6)

Or

- (b) (i) Describe the purpose of checked and unchecked operators. (7)
- (ii) Brief the processes boxing and unboxing with example. (6)
- 12. (a) (i) Write a C# Program to Demonstrate Multiple Exceptions. (7)
- (ii) Write a C# Program to Perform Addition with MOUSEUP Event. (6)

Or

- (b) (i) Write a C# Program to Obtain Status of the Current Thread. (7)
- (ii) Write a C# Program to Illustrate Multilevel Inheritance with Virtual Methods. (6)
- 13. (a) Explain briefly about the following features of ADO.Net
- (i) Handling Exceptions (7)
- (ii) Validating Controls. (6)

Or

- (b) Discuss in detail about the development of SDI and MDI application with appropriate example. (13)
- 14. (a) Explain in detail about Session Management Techniques and Creation of Virtual directory for an Web application using ASP.NET. (13)

Or

- (b) Illustrate the following with an example,
- (i) Passing and Returning datasets from Web services (7)
- (ii) Handling exceptions and Returning Exceptions from SQL Server. (6)
- 15. (a) Discuss in detail about Assemblies and Reflection. (13)

Or

- (b) Explain in detail about Viewing Metadata and Marshalling. (13)

PART C — (1 × 15 = 15 marks)

- 16. (a) Create a C# windows forms application for Super Market Stock Management and Billing System, with appropriate form events, controls, menus and dialog boxes. (15)

Or

- (b) Develop an ASP.Net Web application for Online Hotel Reservation System Availability, Booking and Cancellation. (15)