

6/15/15  
LIB/ANNA

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**Question Paper Code : 15353**

5 Year M.Sc. DEGREE EXAMINATION, APRIL/MAY 2015.

Elective

Information Technology

XCS 019 — EXTREME PROGRAMMING

(Common to 5 Year M.Sc. Computer Technology and M.Sc. Software Engineering)

(Regulation 2003)

Time : Three hours

Maximum : 100 marks

(Code/Tables/Charts to be permitted, if any, may be indicated)

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. List down the components of .NET.
2. What are the three types of inline comments available in C#? Which can be exported?
3. What is the use of checked and unchecked statements?
4. List out the method modifiers.
5. What is an enumerated data type in C#?
6. How strings are manipulated in C#?
7. Compare new and overridden modifier.
8. Which operators cannot be overloaded in C#?
9. How to create an event in C#?
10. How is console I/O handled in C#?

PART B — (5 × 16 = 80 marks)

11. (a) Discuss in detail the architecture of .NET framework?

Or

- (b) Categorize the C# operators and expressions and give an example for each one.

12. (a) Brief about the different kinds of loops with an example for each.

Or

- (b) (i) Describe the use of "ref" and "out" parameters in C#. (8)  
(ii) Give an example C# program for method overloading. (8)
13. (a) (i) Write a C# program to interchange any two rows and any two columns. (8)  
(ii) Write a C# program to convert a 2D jagged array into one D regular array. (8)

Or

- (b) Write a C# program using nested structures to read the student mark details and determine the following.  
(i) total marks obtained by each student  
(ii) the highest mark in each subject and  
(iii) the student who secured the first rank
14. (a) Describe the concept of Inheritance and give an example for each of its types.

Or

- (b) (i) Explain how can constructors overloaded with an example. (8)  
(ii) With an example program explain the role of interfaces. (8)
15. (a) (i) Describe how are multicast delegates generated ,give an example.(8)  
(ii) Explain the I/O methods available in C#. (8)

Or

- (b) List out the different types of errors and Explain how to handle exceptions?
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