

LAB
AVC
6/1/16 FN

Reg. No. :

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Question Paper Code : 95338

5 Year M.Sc. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2015.

Elective

Software Engineering

ESE 517 — EXTREME PROGRAMMING

(Regulations 2010)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Write the components of common language runtime.
2. What do you mean by scope of a variable?
3. How do you convert a string to a number? Give example.
4. What is unboxing? Give example.
5. How does an array of Array List class differ from an Array class?
6. What are regular expressions?
7. What is polymorphism?
8. Distinguish between abstract class and an interface.
9. What are delegates and events?
10. What is an exception? Give example.

PART B — (5 × 16 = 80 marks)

11. (a) What is literal? Explain various types of literals supported by C# with example (16)

Or

- (b) (i) Describe the architecture of NET framework. (10)
- (ii) Briefly explain about the characteristics of C#. (6)

12. (a) Explain about methods and method overloading in C# with suitable example. (16)

Or

(b) Explain all the looping constructs available in C# with example. (16)

13. (a) (i) Mention the difference between classes and structs. (8)

(ii) With suitable example discuss the purpose of using a constructor in a structure. (8)

Or

(b) Briefly explain about String methods and StringBuilder methods. (16)

14. (a) Describe multilevel inheritance. Write a program to illustrate multilevel inheritance with virtual methods. (16)

Or

(b) Write a brief note on operator overloading. (16)

15. (a) Explain briefly about numeric formatting with examples (16)

Or

(b) (i) Write a program to illustrate multicast delegate. (8)

(ii) Explain the exception mechanism of C# with an example. (8)