

**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**



**B.Sc., B.C.A. DEGREE EXAMINATION – COMPUTER SCIENCE. & COMPUTER APP.**

**FIFTH SEMESTER – APRIL 2016**

**CS 5508/CA 5508 – C# PROGRAMMING WITH ASP .NET**

Date: 03-05-2016

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

**PART-A**

**Answer all the Questions:**

**(10 x 2 = 20)**

1. What is .NET framework?
2. What is enumeration?
3. Define an Interface.
4. Mention the types of overloadable operators in C#?
5. Define Verbatim Strings.
6. How can we throw our own exceptions?
7. What do you mean by joining threads?
8. What is the difference between ADO and ADO.NET?
9. List the difference between ASP and ASP.NET.
10. What are the two parts of the user interface in Web Forms?

**PART-B**

**Answer ALL the questions:**

**(5 x 8 = 40)**

11. a) Describe the characteristics of C#. How does C# differ from C++?

(OR)

- b) Discuss in detail about the five types of tokens in C#.

12. a) Write a C# program to reverse an array.

(OR)

- b) What is meant by Constructors? Explain the types of constructors with suitable example.

13. a) Explain any 5 String Builder class methods.

(OR)

- b) Write a C# Program to demonstrate Index Out Of Range exception.

14. a) Explain the various states in the life cycle of a thread.

(OR)

- b) Explain the ADO.NET architecture with neat diagram.

15. a) Explain web form life cycle.

(OR)

- b) Briefly explain ADO.NET object model.

**PART-C**

**Answer any TWO Questions:**

**(2 x 20 = 40)**

16. a) Explain the components of .Net framework.  
b) Explain operator overloading concept with example.
  
17. a) Write a C# Program to Count number of Vowels and consonants from a given String.  
b) Write a program using ADO.NET to add, delete and update records.
  
18. a) Explain reading and writing streamed XML in detail.  
b) What are the major components of a common language runtime system? Also explain the services provided by CLR.

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