

ST. JOSEPH'S EVENING COLLEGE (AUTONOMOUS)
VI SEMESTER BCA EXAMINATIONS APRIL 2018

.NET TECHNOLOGIES

Duration: 2.5 Hours

Max. Marks: 70

SECTION - A

I) Answer any SIX of the following questions. (6x3=18)

1. Write a note on Dot NET namespace.
2. Explain the working of CLR, CTS, and MSIL.
3. Define C# directive. What are the different types?
4. Explain boxing and unboxing with an example.
5. How is encapsulation enforced in C#?
6. Explain the use of this keyword.
7. Explain virtual and override keywords.
8. Explain C# events.

SECTION - B

II) Answer any FOUR of the following questions. (4x8=32)

9. What is an assembly? Explain its components.
10. Explain how csc.exe command is used to build an C# application in dot NET without using IDE.
11. Explain the anatomy of a simple C# program and variations in main method.
12. Write a C# program to sort and reverse an array of five elements.
13. Write a C# application to handle multiple exceptions.
14. Explain the different ways of obtaining interface reference.

SECTION - C

III) Answer any TWO of the following questions. (2x10=20)

15. Explain the following types with an example
 - a. foreach
 - b. ref
 - c. params
 - d. verbatim
 - e. enum
16. List and explain with code core members of System, Exception type.
17. Write short notes on
 - a. Object Generations
 - b. Building a multfile assembly