MCE Society’s

Allana Institute of Computer Application and IT

MCA-II Year (Sem-III)

**C# Theory Assignment – 1**

Date: 19/09/2024

Submit till: 23/09/2024

Note: 1- The assignments should be handwritten.

2- Assume suitable class, function, and variable names to explain

1. Explain the following in detail.

Dot Net Architecture, CLR, CLS, MSIL, CTS, JIT, IIS, Base Library, class library, etc.

1. Explain the types of Applications Console Applications, Windows Applications and Web pages.
2. Explain OOPs concepts in C# (Encapsulation, Inheritance, Polymorphism, Abstraction….)
3. Explain the Classes & Objects in C#
4. Discuss Function and Method in C#
5. Access specifier/modifier (public, private, internal, protected, protected internal, private protected).
6. Explain Arrays in C# (static & dynamic)
7. Explain partial class in C#.
8. Explain Built-in Functions and methods in C#
9. Explain Constructor and destructor in C#
10. Explain types of inheritance in C#
11. Discuss overloading and overriding in C#
12. Explain Interface in C#
13. What is Boxing and Unboxing in C#
14. Explain Shadowing, Shadow copy, Shellow copy, Deep Copy in C#

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