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| 13CS41P1 | - | C# AND .NET LABORATORY |

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| Hours / Week | : | 3 |  | Day-to-day Evaluation and a test | : | 40 |
| Credits | : | 2 |  | End Examination Marks | : | 60 |

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| 1. Write a simple program in C# to write a string on the screen.
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| 1. Write a program in C# to prompt the user for some input and then take some action.
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| 1. Write a program to demonstrate how unary operators are used.
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| 1. Write a program in C# to demonstrate how binary operators work.
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| 1. Write a program in C# to demonstrate different kinds of arrays including jagged arrays.
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| 1. Write a program in C# to override a method which calculates pay of an employee taking bonus into account.
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| 1. Write a program in C# to ask a user to enter a choice to add, delete, modify or view address using methods, for each function.
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| 1. Write a program in C# to demonstrate and verify that the static constructor runs only one time, even though two instances of Class are created, and that it runs before the instance constructor runs.
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| 1. Write a program in C# to show that when a struct is passed to a method, a copy of the struct is passed, but when a class instance is passed, a reference is passed.
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| 1. Write a Program to implement an Interface.
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| 1. Write a program to invoke an event when a list of documents is changed.
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| 1. Write a program in C# to create a base class shape and derived classes i.e., Rectangle, Circle, and
2. Triangle. Invoke the method from base class shape using polymorphism.
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| 1. Create an Active-X control for file operations.
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| 1. Develop a component for converting the currency values using COM/.NET.
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| 1. Develop a component for encryption and decryption using COM/.NET.
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| 1. Develop a component for retrieving information from message box using DCOM/.NET.
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