UNIT – 1

1. Architecture of .NET Framework
2. Types of JIT
3. CLR
4. Boxing – Unboxing
5. Arrays (1-D, Rectangular , Jagged)
6. Value Type Data type and Reference Type Data Type
7. Types of Project IDE
8. Assembly Metadata & Namespace
9. CTS CLS , BCL , FCL , MSIL

UNIT - 2

1. Class-object
2. Inheritance
3. Encapsulation
4. Polymorphism
5. Types of Constructor
6. Static method & Non Static method
7. Ref-out keywords / Parameters
8. Overloading method constructor
9. Overriding method
10. Difference Overloading & Overriding
11. Difference sealed & abstract classes
12. Sealed class and method
13. Abstract class and method
14. Interface with different types or inheritance
15. Property with its types
16. Indexer
17. Delegate
18. Event with delegate
19. Unsafe concept

20. Collections.(ArrayList, HashTable , Stack Queue , SortedList) with methods

UNIT - 3

1. MessageBox with show()
2. Listout any 5 Events & Property of Button and TextBox
3. Timer Control
4. MenuStrip , ContextMenuStrip , ToolStrip
5. SaveFileDialog & OpenFileDialog
6. ColorDialog & FontDialog
7. TextBox & RichTextBox
8. Checkbox & RadioButton & ComboBox
9. ListBox & CheckedListBox
10. Panel & GropBox
11. Treeview
12. ScrollBar & ToolTip
13. MDI & SDI

UNIT - 4

1. Architecture of ADO.NET
2. Connected Architecture
3. Dis-Connected Architecture
4. What is ADO.net
5. DataReader & DataAdapter
6. DataSet & DataTable
7. DataRow & DataColumn
8. GridView
9. Write a Program for insert data in student table (s_id , s_name , Mark)
10. Write a program for delete record
11. Write a program for update record

12. Display table data in datagridview with connected (DataReader) and
    disconnected (DataAdapter)
    a. Insert & delete
    b. Insert & display
    c. Update & display
    d. Update & delete
    e. Delete & display

UNIT - 5

1. User Control (Example , Steps to create User Control)
2. Crystal Report
3. Steps to adding crystal report
4. Types of Crystal Report
5. Sections of Crystal Report
6. Special Field , Summary Field , Formula Field
7. Setup Project
8. Types of Setup Porject