

**CS T73 / PLATFORM TECHNOLOGY**

**UNIT-I**

**2 Marks:**

1. What is .NET?
2. What is NET Framework?
3. Explain with diagram the .NET Framework
4. Define Common Language Runtime (CLR)
5. What are the services provided by the CLR?
6. What are the benefits of CLR?
7. List out the components of CLR
8. Define CLS and CTS
9. What is Just‐In‐Time (JIT)?
10. What is Managed code and unmanaged code?
11. What is Microsoft Intermediate Language (MSIL)?
12. Write a short note on OLE technology.
13. Write down some of the namespaces available in the .NET framework?
14. What is serialization?
15. What is Remoting?
16. Explain with neat diagram components of CLR?
17. Explain the unmanaged code execution process?

**11 Marks:**

1. Describe in detail about .NET framework
2. Discuss in detail about CLR
3. Explain in detail about .NET framework class library?
4. Discuss window form, web form and web services in detail?
5. Discuss Organizing and managing executing process?
6. Discuss .NET compilers?
7. Discuss in detail about working with XML?

**UNIT-II**

**2 Marks:**

1. What Is C#?
2. What is Characteristic of C#?
3. What are the APPLICATIONS OF C#?
4. List out the features of C++, which are dropped in C#?
5. List out the two types C# programs?
6. What are the major highlights of C#?
7. List out some problems of C and C++
8. What are important features of C#, which are adopted from other languages?
9. State the C# Program Structure.
10. What are the types of tokens available in C#?
11. What are escape sequences?
12. What is the default value for built‐in data types?
13. What are special operators available in C#?
14. What is the advantage of using foreach loop?
15. List out the member access modifiers in C#
16. What are the features of a constructor and default constructor?
17. What is copy constructor?
18. Define destructor with its features?
19. What is Regular expression?
20. What are limitations of operator overloading?
21. Define delegates and events?
22. What is Exception? List some of the tasks involved in exception handling?

**11 Marks:**

1. Discuss C# fundamentals?
2. Explain in detail about Fields, properties, methods?
3. Discuss in detail about inheritance with eg program?
4. Discuss polymorphism concept in detail ?
5. Explain in detail about Array and String?
6. Discuss about String and Regular Expression?
7. Explain in detail about Exception handling?
8. Write about Delegates and Events in detail?

**UNIT-III**

**2 Marks:**

1. Compare between VB.Net and C#s
2. Write short notes on Data Types with example?
3. What are the Control Statements involved in VB .NET?
4. Define class in VB.NET?
5. What is objects in VB .NET?
6. How are the Fields, Properties, Methods, and Events related to class?
7. Write Short notes on Inheritance in VB .NET?
8. Write about operator Overloading
9. What are the operators that can be overloaded?
10. explain the inheritance?
11. Define Arrays in VB.NET with example
12. What are strings in VB .NET?
13. How are the Regular Expressions written in VB .NET?
14. What are the Implicit Type Conversions?
15. What is Interfaces in VB .NET?

**11 Marks:**

1. Explain in detail about VB.NET fundamentals?
2. Describe in detail about class and object?
3. Explain in detail about operator overloading?
4. Discuss in detail about interfaces
5. Explain about indexers and Collections
6. Describe in detail about Array and Strings?
7. Discuss regular Expression ?

**UNIT-IV**

**2 Marks:**

1. What is mean by data provider?
2. Define dataset with its Uses?
3. What are the types of datasets?
4. What are ADO.NET objects?
5. List out some of the .NET providers?
6. Define [DataTableCollection](http://msdn.microsoft.com/en-us/library/system.data.datatablecollection.aspx).
7. Define DataAdapter Object
8. Define The DataReader Object
9. Define ExecuteNonQuery, ExecuteScalar & Executereader
10. Define Command Object
11. Define Exception handling in VB.NET
12. Define Delegate in VB.NET
13. Define MulticatDelegate.
14. Define events in VB.NET
15. Define data view classes
16. Define data relation
17. Define data view manager

**11 Marks:**

1. Explain about Exception handling in VB.NET
2. Explain in detail about Delegates and Events
3. Explain in detail about ADO.NET?
4. Explain in detail about the Object Model of the Dataset Class.
5. Discuss about the properties of the connection class and command class.
6. Discuss in detail about direct access to data or creating connection environment?
7. Discuss in detail about indirect access to data or creating disconnection environment?

**UNIT-V**

**2 Marks:**

1. What is J2EE?
2. What are the components of J2EE application?
3. What are the features of J2EE?
4. Write about the J2EE architecture?
5. What are the supporting J2EE APIs?
6. What do Enterprise JavaBeans components contain?
7. What is the container?
8. What is Enterprise JavaBeans (EJB) container?
9. How do we package J2EE components?
10. What are types of J2EE clients?
11. What is the EAR file?
12. What is JTA and JTS?
13. Explain about the J2EE multi tier application?
14. What is JAXP?
15. What is JAAP?

**11 Marks:**

1. Distinguish between .Net and J2EE?
2. State the Difference between J2EE and .NET?
3. Explain the overview of J2EE Architecture?
4. Explain J2EE multi tier Architecture?
5. What are the various classifications of clients?
6. How EJB tier is implemented?
7. Explain the following
   1. Clients
   2. Client presentation
   3. Client input validation
   4. Client control
   5. Duplicate client control
8. What is session management ?
9. Discuss client side session state and sever side session state?
10. Discuss about inclusion statergy?