



**BABU MADHAV INSTITUTE OF INFORMATION TECHNOLOGY, UTU**  
**B.Sc.(IT) / Integrated M.Sc.(IT)**

**Semester-IV**

**IT4007 | GUI Programming |**

**Question Bank-Unit: 01**

**Unit-1: Introduction to .NET Framework**

**Short Questions [1 Mark]**

1. Define Integrated Development Environment.
2. If the Solution Explorer Window is not visible in project, write step to display it.
3. Define Solution Explorer.
4. Give the full form of MSIL.
5. What is the role of JIT Compiler?
6. Which types of applications that can make use of .net class library?
7. What is Common Type System?
8. List at least two features of CLS.
9. What .NET assemblies contain?
10. "A strong name has to be created for public assembly not for private assembly." Justify.
11. What assembly manifest store?
12. State the use of metadata in .NET assembly.
13. What is the Global Assembly Cache (GAC)?
14. List at least four features supported in C#.
15. Write at least four advantages of C#.
16. What are namespaces in C#.NET?
17. Can we use multiple inheritances in C#? Justify your answer.
18. What is Property in C#.NET?

**Short Questions [2 Marks]**

1. Explain the Visual Studio Tool in brief.
2. What is .NET?
3. Briefly explain .NET Framework fundamentals.
4. Is C# code is unmanaged or managed code? Justify your answer.
5. What is Managed and Unmanaged Code?  
  
or  
  
Differentiate managed and unmanaged code.



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6.	Explain memory management in .NET.  or  What is Garbage Collector?
7.	What is .NET framework Class Library?  or  What is Base Class Library in .NET?
8.	Distinguish between private and shared assembly.
9.	Explain an assembly manifest in brief.
10.	Give the difference between Single-File and Multi-File assemblies.
11.	Why it is important to install an assembly into the Global Assembly Cache?
12.	What is C#?
13.	“C# is widely used as a professional language.” Justify the statement.
14.	What are Console Applications and Windows Forms Applications?
15.	What is the difference between public, static and void in C#?
16.	State the difference between Write() and WriteLine() with example.
17.	Give the difference between ReadLine(), Read(), ReadKey() in C#.
<b>Long Questions [5 Marks]</b>	
1.	List and briefly explain the features of .NET.
2.	Explain .NET framework in detail.  or  Describe .NET framework architecture in detail.
3.	Write a note on CLR.  or  Explain Common Language Runtime in detail.
4.	Clarify .NET assembly in detail.