

**Punjab Technical University**  
**Master of Computer Application Examination**

**MCA 5<sup>th</sup> Semester VISUAL BASIC.NET 2006**

**Time: Three Hours Maximum Marks:75**

**Note: Section A is Compulsory. Attempt any nine questions from section B.**

**Section – A Marks:2 Each**

1. (a) List some feature of .NET technology?
- (b) What does a form Module contain?
- (c) What is the difference between a compile-time error and a run time error?
- (d) What is the difference between an Integer and a Currency Variable?
- (e) Write the line of code that adds your name to a list box named lst names.
- (f) what do you mean by the term CLR?
- (g) What starts the execution of an event procedure?
- (h) List the primary components of the .NET Framwork.
- (i) List the control needed to create toolbar?
- (m) Differentiate between decision and looping statements?
- (n) What do you mean by broadcast scope of a Variable?
- (o) Differentiate between a function and subroutine.

**Section – B Marks:5 Each**

2. Draw appropriate diagrams and discuss the various components of the .NET platform and the architecture of the .NET Framework.
3. Explain with the help of suitable example that how you pass an array to procedures?
4. Briefly discuss the common Language Runtime and its components?
5. write a note on `XML as the .NET meta Language`.
6. What do you mean by assemblies in .NET? List all the different types of assembling?
7. what are the classes and objects? Discuss how to add properties, events and methods to a class module.
8. write the code for setting the Text property of a control named txt number to an empty text string.
9. what is the difference between a variable that has local scope and one that has global scope?
10. what do you mean by term procedure? How many types of procedures exist in VB?
11. Explain in detail, using an appropriate programming example, the use of events?
12. Can you define multiple Catch blocks in structured error handling? Explain.
13. In which way Visual Basic .NET can be used for writing windows applications? Explain with the help of suitable example?