SU-8174

SU-8174

Seat No._____

M. C. A. (Sem. - IV) Examination

May / June – 2006

Ele. P-403 or 405 : Dot Net Platform
(New Course)

Time : **3** Hours]   [Total Marks : **75**

1   Attempt the following : (any **three**)   **15**

(a)   Compare and Explain Microsoft.Net and Windows DNA.

(b)   List and explain any two features of Net platform in detail.

(c)   Write a note on following in brief :
  (i)   Private and Shared Assemblies.
  (ii)   Managed code and Unmanaged Code.

(d)   List and explain various ways to pass parameters to methods in C# .Net.

2   Attempt the following : (any **three**)   **15**

(a)   Explain Get and Set Accessor properties in C#: Compare properties with Indexers.

(b)   Differentiate following :
  (i)   Constant Vs. ReadOnly field.
  (ii)   Boxing Vs. Unboxing

(c)   Explain Exception handling in C#.

(d)   Explain following terms :
  (i)   Jagged Array
  (ii)   Sealed Keyword

3   Attempt the following : (any **three**)   **15**

(a)   Differentiate and explain DataReader and DataSet Model.

(b)   Write a note on DataRow and DataColumn class.

(c)   What is the role DataAdapter in ADO.Net. Explain DataAdapter class provided by .Net.

(d)   Explain Connection object of ADO.Net.

SU-8174]   **1**   **[Contd...**

4   Attempt the following : (any **three**)   **15**

   (a)   Write a brief note on "Web.config" to set various
          configuration settings.

   (b)   Explain the use of "Global.asax" file in ASP.Net Web
          Application.

   (c)   Explain with example any two validation controls in
          ASP.Net.

   (d)   Write a note on DataGrid Server control and various
          templates supported by it.

5   Attempt the following : (any **three**)   **15**

   (a)   Accept multiword string from user. Write a program to
          reverse a string and to remove spaces from string, use
          Delegate to simulate this program.

   (b)   Define a Bank class which has properties to Deposit
          Money, Withdraw Money and Checking Balance. Input
          data such as Account No., Account holder name. Provide
          menu to Account holder for Depositing Money,
          Withdrawing Money and Checking Balance. Perform
          these operations for at least two Account holders. Use
          Get and Set Accessors and Indexer to simulate this
          program.

   (c)   Write a program that uses DataAdapter, DataSet,
          DataRelation class to create Parent - Child relationship
          programmatically between two tables. (Take suitable
          tables).

   (d)   Write a program that allows user to view, add, edit and
          delete data from the database. Use DataReader Model to
          perform these operations.

───────────