

Roll No. ....

**Subject Code—6778-X**

**M.C.A. EXAMINATION**

(Fifth Semester)

(For Re-appear Batch 2009)

**C SHARP (C#)**

**MS-32**

*Time : 3 Hours*

*Maximum Marks : 70*

**Note :** Attempt any *Five* questions. All questions carry equal marks.

1. What do you mean by virtual object system ?  
Discuss about data types and meta data.
2. What are various object oriented characteristics in C sharp ? How these OO characteristics were implemented ? Discuss with the help of examples.

3. What is Error ? How error handling can be done ? Discuss with the help of example program.
4. What is security and its role in application development ? Discuss about code access and role based security.
5. Discuss various step and phase used in configuration and deployment of an application.
6. What is Interface ? Discuss and implement interface indexers.
7. What is Polymorphism ? Discuss various types of polymorphisms with the help of example.
8. Write short notes on any *two* of the following :
  - (a) Deligates
  - (b) CSL
  - (c) Control Statements
  - (d) Boxing.