

2007

Subject Code—7265-X

M.C.A. EXAMINATION

(Fifth Semester)

(Re-appear)

MS-32

C-SHARP (C#) PROGRAMMING

Time : 3 Hours

Maximum Marks : 100

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

1. (a) What is Virtual Object System ? Describe common language specifications and intermedia language. 10
- (b) What are next generation windows services ? 10
2. (a) What are Interfaces ? Explain use of interface with an example. 10
- (b) What are Delegates ? Explain. 10

3. (a) What are the various access modifiers used in C# ? Explain their effect on accessibility of class members. 10
- (b) What are Indexers ? Explain with example. 10
4. (a) What is Polymorphism ? Explain function overloading with example. 10
- (b) What are Constructors ? Write syntax for defining constructors. 10
5. (a) What is Exception Handling ? Discuss how exceptions are handled in C#. 12
- (b) Write a program to handle divide by zero exception ? 8
6. (a) What is Inheritance ? What are different types of inheritance used in C# ? Explain with example. 12
- (b) What is a Virtual Function ? Explain. 8
7. (a) What are Interfaces ? Explain use of interface methods. 10
- (b) Discuss any *two* of the following : 10
- (i) Base Interface
 - (ii) Interface Properties
 - (iii) Interface Indexers.

8. (a) What is conditional compilation ? Also describe news components. 10
- (b) Write in brief the following : 10
- (i) Code Access Security
 - (ii) Standard Permission
 - (iii) Role Based Security
 - (iv) Boxing and Unboxing.