

5. What is Metadata ?
6. Explain the concepts of Boxing and Unboxing.
7. Define the concepts of user-defined conversions.
8. Define constructor with a suitable example.
9. What is Modifier Class ?
10. Define the term Multicast Delegates.

Section B

Note : Attempt all the questions.

11. Explain the concept of virtual object system.
What are the applications of virtual object system in C# Sharp Programming ?

Or

Define the following terms :

- (a) Metadata and IL.
- (b) .Net Programming
- (c) Generation of window services. **12**

12. Define the types of C# sharp :

- (a) Struct-type
- (b) Reference type-object type
- (c) Class-type.

Or

Define the following terms :

- (a) Boxing and unboxing conversions
- (b) User-defined conversions. **12**

13. What is constructor and destructors with suitable example ? Explain various methods and parameter used in constructor and destructors.

Or

Explain the following terms :

- (a) Overriding and Hiding
- (b) Multicast Delegates
- (c) Modifier-class and class properties. **11**

Roll No.

Exam Code : J-19

Subject Code—0110

M.C.A. EXAMINATION

(Batch 2009 Onwards)

(Fifth Semester)

C SHARP (C#) PROGRAMMING

MS-32

Time : 3 Hours

Maximum Marks : 70

Section A

Note : Attempt any *Seven* questions. **7×5=35**

1. Define C# sharp programming features.
2. What is Virtual Objects ?
3. Define .NET programming by a suitable example.
4. Define specifications of various commonly used languages.

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P.T.O.