



A-1741

M. Sc. (I.T.) (Sem. VII) Examination

March/April – 2015

701 - C#.NET

Time : 3 Hours]

[Total Marks : 70

Instruction :

नीचे दर्शायेल निशानीवाली चिनातों उत्तरपडी पर अवश्य लगवा. Fillup strictly the details of signs on your answer book.		Seat No.:
Name of the Examination :		<input type="text"/>
M. Sc. (I.T.) (Sem. VII)		<input type="text"/>
Name of the Subject :		<input type="text"/>
701 - C#.NET		<input type="text"/>
Subject Code No.: Section No. (1, 2,...):		<input type="text"/> Nil
Student's Signature		

1 Attempt any THREE : 18

1. Write a note on Collection in C#.
2. What is Delegate in .NET? How it is helpful in large application development?
3. "Property type in .NET is helpful for data hiding", Justify with proper example.
4. How .NET Framework allows developing an application using multiple languages?

2 Attempt any THREE : 18

1. Write a note on Binary Serialization. Also give its advantages and disadvantage over direct data storage.
2. How threads are useful for parallel execution? Explain with proper example.
3. What is generic type in .NET? By giving example explain how we can restrict type usage at runtime?
4. "Interface is a blue print of class type." justify with proper example.

- 3** (A) Write LINQ statements for following queries by taking your assumptions (Any Five) : **10**

 1. Get all users whose name starts with "R".
 2. Find vehicles having price between 45000 and 58000.
 3. Get all employees of production, HR and Accounts departments.
 4. Find average of five float values
 5. List files having size greater than 2000 bytes from given path.
 6. Remove character "t" from the specified string.

(B) What is LINQ? Explain its advantages and different patterns to use it in C# application. **06**

4 Attempt any THREE : **18**

 1. How we can extract file and folder information in C#?
 2. How user defined events are created in C#?
 3. What is Indexer? How it is different than array type? Explain with comparative example.
 4. Is it possible to extract any .NET assembly contents? Justify your answer with supporting example.