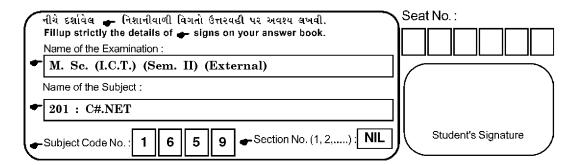


DDD-1659

M. Sc. (I.C.T.) (Sem. II) (External) Examination March / April - 2016 201 : C#.NET

Time: 3 Hours [Total Marks: 70

Instruction:



1 Attempt any three:

- 18
- (i) Explain .NET Framework in detail for multilingual application development.
- (ii) What is Generic type in .NET ? How it is useful for operation intensive requirement ?
- (iii) How user defined events can be created for a class? Explain its advantages over predefined events.
- (iv) "Structure type and Class type are same in C#". Comment on the statement with example.
- 2 (a) Write LINQ statements for following queries by taking your assumptions:
 - (i) Get all users whose name contains "sh".
 - (ii) Find employees having salary between 25000 and 75000.
 - (iii) Get all employees of production, sales and purchase departments.
 - (iv) List files of size 1024 bytes from given path.
 - (v) Find average of ten integer values.
 - (b) Explain LINQ architecture and its usage in .NET **6** application development.

3 Attempt any three:

18

- (i) Write a note on Collection in C#.
- (ii) What is Reflection in .NET ? How assemblies are referred by it at runtime ?
- (iii) How threads are useful for parallel execution? Explain with proper example.
- (iv) What is Delegate in .NET? How it is helpful in large application development?

4 Attempt any three:

18

- (i) What is Indexer? Is it different than array? Justify your answer with example.
- (ii) "Property type in .NET breaks data hiding." Justify your answer with proper example.
- (iii) What is Interface ? How it helps to design huge application in .NET ? Give proper example.
- (iv) Write a note on XML Serialization.