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 : 10
   (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 application development. 6

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Attempt any three:

(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?

Attempt any three:

(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.