BCA 4th Semester Question Bank

VB.NET (602)

Unit-1

1. What is OOP strategy? Explain.
2. What is .NET Framework? Explain its architecture.
3. What are the main components of .NET Framework? Name some common Class Libraries and define them.
4. Explain main IDE elements of VB.NET.
5. What is an event? How event driven programming is implemented in VB.NET?
6. Describe different versions of Visual Studio.
7. What are the Assemblies? Why they are used?
8. What are the namespaces in .NET.

Unit-2

1. What do you mean by scope and lifetime of a variable in VB.NET? How variables are declared and used in VB.NET?
2. What is an array? How array is created in VB.NET? Explain with example.
3. What is control array? Explain.
4. What is collection? How many collections are available in VB.NET?
5. What is Array list? How it is created in VB.NET?
6. How variable number of arguments is passed to a function? Demonstrate the use of variable number of arguments by taking an example.
7. How a function is created and called in VB.NET? Explain with example.
8. What is the difference between subroutine and function?
9. How msgbox and inputbox are used in VB.NET?

Unit-3

1. Create a form in windows (with VB.NET as code behind) to enter information of a student consists of following details:
   - Roll number
   - Name
   - Gender
   - Class
   - Semester
   - Contact number
   - Photo
2. Create a form in windows (with VB.NET as code behind) for an exam panel consists of 5 objective type questions and impose a timer on it and when the timer goes off the exam will be automatically submitted and score should be displayed in a message box.
3. Design a calculator in windows (with VB.NET as code behind).

4. What are control flow statements? Describe them in context of VB.NET.
5. What are the different dialog boxes available in VB.NET? Explain.
6. What are the different controls available in toolbox?
7. How menus are created in VB.NET forms?

Unit-4

1. What are the concepts of OOP? Explain each.
2. What are classes and objects? Explain with example.
3. What are access specifiers? What is the use of these in OOP?
4. Define MyBase and MyClass Keywords.
5. Write short note on OLE.

Unit-5

1. What is ADO? Also explain classes and methods that are used in ADO.NET.
2. How connections are created with database?