NP University, Lovely!!

Q.1 Answer the following questions: (Any three) (Marks 15)
1. What are the differences between C# and VB in .NET languages?
2. What are the advantages of using .NET for software development?
3. What are the different data types and variables used in C#?
4. How are loops and methods used in C# programming?
5. How do namespaces and assemblies work in C# programming?
6. What is inheritance in C# programming?

Q.2 Answer the following questions: (Any three) (Marks 15)
1. What is the code-behind class and how is it used in web development?
2. What are server controls and how are they used in web development?
3. What are web control classes and how are they used in web development?
4. What are web control events and how are they used in web development?
5. What are site maps and how are they used in web development?
6. What is the TreeView control and how is it used in web development?

Q.3 Answer the following questions: (Any three) (Marks 15)
1. What are some common errors that can occur in web programming?
2. What is tracing and how can it be used for debugging?
3. How does View State work and what are its advantages and disadvantages?
4. What is session state and how can it be configured?
5. What is a master page and how can it be used for consistent page layout?
6. What are the benefits of using advanced master pages in web applications?

Q.4 Answer the following questions: (Any three) (Marks 15)
1. What is ADO.NET and how is it used for database connectivity in web applications?
2. How can SQL be used with ADO.NET for data access?
3. What is data binding and how is it used in web applications?
4. How can repeated-value data binding be used to display multiple records in web pages?
5. What is the GridView control and how can it be used to display data in a table format?
6. How can GridView be used for editing and deleting data in web applications?

Answer the following questions: (Any three) (Marks 15)
1. What is XML? Explain its features and uses.
2. What is XML validation and why is it important?
3. What is authentication and authorization? Explain the difference between the two.
4. What is Forms authentication? How is it implemented in ASP.NET?
5. What is AJAX and how is it used in web programming?
6. What is partial refreshing in AJAX? How does it improve web performance?