Advance Web Programming

Unit-1

1. What is **.NET Framework**? Explain its architecture with help of diagram.
2. Explain **CLR** in detail.
3. What is **namespace**? How to create namespace and alias?
4. Explain the **implicit** and **explicit conversion** of data types with examples.
5. Explain **Boxing** and **Unboxing** with reference to value type and reference type.
6. Give syntax of **foreach loop**. Explain with example.
7. Explain **jagged array** with example.
8. Explain **ref** parameter and **out** parameter
9. What are the rules in defining a **constructor**? Explain **static constructor** with example.
10. Explain the similarities and differences between **Interfaces** and **Abstract classes**
11. Explain **method overloading / overriding** with example
12. What is **Assembly**? Explain the Components of assemblies.
13. How **Garbage collector** works.
14. How to create and use **property** in C#.
15. What is **delegate**? Explain the steps to implement delegate in C#.NET.

Unit-2

1. List and explain different **files** and **folder** in ASP.NET web application.
2. Explain **ASP.NET Life Cycle Page**.
3. Differentiate between **inline** code and **code** behind
4. Explain the use of **global.asx** and **web.config** files in ASP.NET application.
5. Explain **CheckBox** and **RadioButton** web server controls in ASP.NET.
6. What is the difference between **ListBox** and **DropDownList**? List and explain any three common properties of these controls.
7. Explain **Multiview** and **View** control with example in ASP.NET
8. Explain **Adrotator** control with example in ASP.NET
9. What is **user control**? How to create and use user control in ASP.NET Page.
10. Why we use **validation controls**? List various **types** of controls used in asp.net
11. Explain the **CustomValidator** control with code
12. When to use **TreeView** control in ASP.NET
13. Explain **SiteMapPath** control in ASP.NET

Unit-3

1. Explain **Error Handling** in ASP.NET
2. Why exception handling is required? Write syntax for **user define exception**?

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Disclaimer: This is just a sample question bank. All questions in the exam may not be from the question bank

3. What is **Query String**? Explain encoding and decoding of Query string
4. How to create and use **Cookies** in ASP.NET
5. Significant of **ViewState** in ASP.NET
6. Difference between **Application state** and **Session state**
7. Explain the different types of **CSS** present in ASP.NET.
8. Explain the four most important **selectors** present in CSS.
9. What is **Skin** file? How to use it.
10. Explain relation between **content** page and **master** page

Unit-4

1. What is **ADO.Net**? Explain its architecture.
2. List and Explain **ADO .NET objects**.
3. Explain **Command** Class and **DataAdapter** class with properties and methods
4. Explain the difference between **DataReader** and **DataAdapter** in ADO.NET.
5. What is **data binding**? Its types.
6. What is a **Datasource**? Explain various types of data sources in ASP.NET.
7. What is a **GridView** control? Explain how to enable row selection, paging and sorting features of GridView.
8. Briefly explain **FormView** control. How is it different from DetailsView?

Unit-5

1. What is **XML**? List the various XML classes.
2. What is **XmlTextReader or XmlTextWritter**? Explain with example
3. What do you mean by **authentication**? Explain its types.
4. What do you mean by **Impersonation** in ASP.NET?
5. What is **AJAX**? Its Advantages and Disadvantages
6. What are the benefits using Ajax? Explain **UpdatePanel** and **ScriptManager**.
7. Explain the use of **UpdateProgress** control in AJAX.
8. Explain ASP.NET **AJAX Control Toolkit**.