**ASP.NET ASSESSMENT**

(All are descriptive types and each carry marks 2)

1. What is the difference between static, public, and void?

2. Define Constructors.

3. Name all the C# access modifiers and explain it shortly

4. What’s the difference between an abstract and interface?

5. What is the difference between method overriding and method overloading?

6. What is Garbage Collection in C-sharp?

7. What are the difference between array and arraylist?

8. What is the difference between early binding and late binding in C# ?

9. What exactly are Jagged Arrays?

10. Explain the difference between Error and Exception in C#?

11. Explain about try-catch implementation.

12. How many ways we can use try-catch and finally?

13. What is the difference between System exceptions and Application exceptions?

14. How many ways we can use try-catch and finally?

15. What happens if the finally block throws an exception?

16. Explain different types of Exceptions in C#?

17. What is defensive programming?

18. What is the difference between Drop, Delete and Truncate?

19. What is Executenonquery?

20. What are the difference between functions and Stored Procedures?

21. What is GroupBy? Explain with example.

22. Difference between executenonquery, executescalar and executereader in C#?

23. How does the ViewState mechanism work in ASP.NET Web Forms, and what is its significance in maintaining the state of controls across postbacks?

24. Describe the Page Life Cycle in ASP.NET Web Forms. Mention the order and significance of the various events that occur during the entire lifecycle.

25. In Web Forms, what are the implications of using synchronous vs. asynchronous postbacks?

26. What is the role of the Global.asax file in an ASP.NET Web Forms application?

27. What is DataSet in ADO.NET?

28. What is a DataAdapter in ADO.NET?

29. Explain the difference between ADO.NET and ASP.NET.

30. Explain the difference between DataTable and DataSet and DataReader?