Part A

Answer ALL the Questions10 x 2 = 20

1. Why is C# regarded as the trailblazer?

2. What is BigInteger?

3. Define 'Tuple'.

4. What is Unboxing?

5. Draw the Architecture of ASP.NET.

6. What is the 'Initial Value' Property?

7. What is DataAdapter?

8. What is meant by Tracing?

9. List the requirements for a successful Mobile OS.

10. Provide a description on XAML support in Xamarin.Forms.

Part B   **5 x 8 = 40**

Answer ALL the Questions

11. a) Narrate the defining features of C#.
                         OR
    b) Substantiate the Partial Class and Partial Method in C#

12. a) Elucidate 'Object Life Time' and 'Garbage Collection' in C#.
                         OR
    b) Explain the destructors and finalization in C#

13. a) Enumerate the ASP.NET Web Page Life Cycle events.
                         OR
    b) Demonstrate the deployment of Web User Control with any three fields.

14. a) List down the steps of data access in ADO.NET disconnected environment.
                         OR
    b) Describe Object Relational Mapper with its benefits.

15. a) What are the best practices in Mobile Apps Development?
                         OR
    b) Explain Mobile Apps publishing in iOS, Android and Windows platforms.

Part C

Answer any TWO Questions2 x 10 = 20

16. a) Explain the Intrinsic Data types in C#.

    b) Elaborate the Generic Types in C#.

17. a) Demonstrate the Validation Controls with their significant properties.

    b) Provide a detailed description on ADO.NET Core objects.

18. a) Vividly explain the Mobile Apps Ecosystem with pictorial representation.

    b) Substantiate the axioms of Xamarin Cross-platform Mobile App Development approach

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