November 2022

Time – Three hours
(Maximum Marks: 100)

[N.B.   1.   Answer all questions under Part-A each question carries 3 marks.
2.   Answer all the questions either (A) or (B) in Part-B each question carries 14 marks.]

PART – A

1.   What is the use of .NET framework?

2.   Define constant. How constants are declared in C#.NET?

3.   What is the use of tool box in visual studio?

4.   When does deactivate event occur?

5.   What is Dataset?

6.   What are the connection objects in ADO.NET?

7.   How will you create HTML control?

8.   What are REST API vs API?

9.   What is the work of Non-validating parsers?

10. Define schema. List the build blocks of schema.

[Turn over.....

PART – B

11. (a) (i) Define .NET framework. Explain its features.
        (ii) Explain the architecture of .NET framework.

    (Or)

    (b) (i) Write a C# program to search a particular element in a single dimensional array.
        (ii) Explain structures in C#.NET with example.

12. (a) (i) Explain the steps to create a context menu with example.
        (ii) Write short notes on progress bar and month calendar.

    (Or)

    (b) (i) What is an event? Explain any three events with suitable event procedure.
        (ii) Differentiate list box and combo box with an example.

13. (a) Explain with an example the various objects in .NET Data provider.

    (Or)

    (b) What is stored procedure? Write the steps to create a stored procedure.

14. (a) Explain any seven validation controls in ASP.NET with example.

    (Or)

    (b) Explain about server controls and its types.

15. (a) (i) What are the advantages of XML?
        (ii) Differentiate HTML and XML.

    (Or)

    (b) (i) How will you achieve serialization in a web application through XML?
        (ii) Briefly discuss about SOAP.