524   Register No.: [   ]

April 2018

<u>*Time – Three hours*</u>
(Maximum Marks: 75)

[N.B: (1) Q.No. 8 in PART – A and Q.No. 16 in PART – B are compulsory.
Answer any FOUR questions from the remaining in each PART – A
and PART - B

(2) Answer division (a) or division (b) of each question in PART - C.

(3) Each question carries 2 marks in PART – A, 3 marks in Part – B and
10 marks in PART – C.]

PART – A

1. What is meant by managed code?

2. How constants are created in C#?

3. Differentiate accessing key and shortcut keys.

4. Write a C# program to create and handle the button click event.

5. Explain connection object with example.

6. Write about notations in DTD.

7. What is XML schema?

8. Explain decision making statements in C#.NET.

PART – B

9. Explain the steps involved in automatic memory management.

10. What is the difference between class and interface?

11. What is the use of THIS reference?

12. What is an event? List mouse events.

13. Explain the steps, in connecting to data source with example.

14. Compare the performance of data reader and dataset.

15. Explain element declaration in XML with example.

16. Explain JIT compilation process.

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[Turn over.....

PART – C

17. (a) Explain the .NET framework architecture with a neat diagram.

    (Or)

    (b) (i) Briefly explain solution explore window of visual studio IDE.
    (ii) Write short notes on .NET objects.

18. (a) Explain the various looping statements in C#.NET with example.

    (Or)

    (b) (i) Define array. Differentiate regular and jagged arrays.
    (ii) Write short notes on structures and enumerations.

19. (a) Explain with example the steps to create a menu and context menu.

    (Or)

    (b) (i) Write the steps to create MDI child window with example.
    (ii) Write short notes on progress bar and month calendar.

20. (a) What is stored procedure? Write the steps to create a stored procedure with example.

    (Or)

    (b) (i) Define data adapter. Explain with a program how data adapter works together with dataset.
    (ii) Explain the object model of dataset.

21. (a) How will you declare elements and entities in DTD? Explain with example.

    (Or)

    (b) (i) Define serialization. Explain XML serialization architecture.
    (ii) Define SOAP. Explain SOAP building blocks with example.

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