

**October 2018**

Time – Three hours  
(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 Microsoft intermediate language?
2. What are the components of .NET framework?
3. What is jagged array?
4. Define structure with syntax.
5. Write a window based program to find the square of a number entered in a textbox.
6. Differentiate connected and disconnected mode.
7. What are the types of serialization?
8. What is entity declaration in XML.

**PART – B**

9. Define CLR.
10. What are the major differences between a class and an interface?
11. Differentiate *for..each..next* statement with *for..next*.
12. Explain Dataset Object Model.
13. Write about Tooltips control in tool box.
14. What is stored procedure?
15. Define SOAP. List the important building blocks of SOAP.
16. Explain any three controls in toolbox with syntax.

**[Turn over.....**

PART – C

17. (a) Explain the various components of visual studio integrated development environment.  
(Or)  
(b) (i) Explain Windows forms.  
(ii) Explain. NET objects.
18. (a) List the various types of operators available in C#.NET. Explain.  
(Or)  
(b) (i) Discuss the different types of arrays in C#.NET with suitable examples.  
(ii) Write short notes on abstract and override methods.
19. (a) Explain with an example how to create MDI applications.  
(Or)  
(b) (i) Explain the steps to create a menu with an example.  
(ii) Differentiate checkbox and radio button with an example.
20. (a) Explain with example the various objects in .NET data provider.  
(Or)  
(b) (i) Explain the features of ADO.NET.  
(ii) How will you create an ADO.NET application?
21. (a) Define schema. Write about the building blocks of schema.  
(Or)  
(b) (i) How will you declare elements and entities in DTD?  
(ii) Define serialization. Explain XML serialization architecture.

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