



C16-CM-IT-502

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BOARD DIPLOMA EXAMINATION, (C-16)  
AUGUST/SEPTEMBER—2021  
DCME - FIFTH SEMESTER EXAMINATION  
.NET PROGRAMMING WITH C#

Time : 3 hours ]

[ Total Marks : 80

**PART—A**

3×10=30

- Instructions :** (1) Answer **all** questions.  
(2) Each question carries **three** marks.  
(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. List any six .NET languages.
2. Define .NET framework.
3. Write three advantages of C#.
4. Explain about scope of a variable in C#.
5. List any three OOPS concepts.
6. List various elements of user interface.
- \* 7. Write the procedure to enable and disable text box control of windows applications in C#.
8. What is connection object in ADO.NET?
9. List various data validation controls.
10. Write about the usage of text box in web applications.

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## PART—B

- Instructions :** (1) Answer *any five* questions.  
(2) Each question carries **ten** marks.  
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

- 11.** Draw and explain common language runtime (CLR) architecture. 10
- 12.** Explain conditional control flow statements used in C#. 10
- 13.** Explain various operators available in C#. 10
- 14.** (a) Write a program in C# to check whether a given number is perfect number or not. Number is taken as input through keyboard. Perfect number is a positive integer that is equal to the sum of positive divisors of this number, excluding the number itself. 6  
(b) Explain common dialogue control. 4
- 15.** Explain about designing and coding simple form. 10
- 16.** Explain data set, data adapter, data provider with a simple example. 10
- 17.** Explain the procedure for data binding with text box control. 10
- 18.** Explain how to deploy and distribute a web application. 10

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