



C16-CM-502

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BOARD DIPLOMA EXAMINATION, (C-16)

MARCH/APRIL—2021

DCME - FIFTH SEMESTER EXAMINATION

.NET PROGRAMMING WITH C#

Time : 3 hours ]

[ Total Marks : 80

**PART—A**

- 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 three applications of .NET. 3
2. What is Common Type System in .NET? 3
3. Mention any three features of C#. 3
4. What is Jagged array in C#? Give one example. 2+1
5. Define collections in C#. 3
6. What is Windows form application? 3
7. Mention any three common dialogue controls. 3
8. What is data binding? 3
9. Write ASP.NET code to display image in a web form. 3
10. State the purpose of data grid view control in ASP.NET. 3

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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. Explain CLR architecture. 10
12. Explain conditional control flow statements in C# with examples. 10
13. Explain exception handling in C# with an example program. 10
14. (a) Write short note on data type conversions in C#. 5  
(b) Design a windows application to check whether a given number is palindrome or not. 5
15. Design a very basic calculator windows application in C# that performs addition, subtraction, multiplication and division operations. 10
16. (a) List any five advantages of ADO.NET. 5  
(b) Write short note on DataAdapter object in ADO.NET. 5
17. Explain how to add multiple tables to a dataset in ADO.NET. 10
18. Explain the process of passing data between two web forms. 10

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