Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_



**End Semester Examination – Nov/Dec – 2019**

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| **Code :** | **17CA2020** | **Duration :** | **3hrs** |
| **Sub. Name :** | **.NET PROGRAMMING USING C#** | **Max. marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Write and explain a test program using onsole application. | CO3 | 5 |
| b. | Expand CLR and explain the features of CLR. | CO1 | 5 |
| c. | List the components of the IDE of visual studio and explain. | CO1 | 10 |
| **(OR)** | | | | |
| 2. | a. | List out the features of C#. | CO3 | 5 |
| b. | Explain the method to create object in C# .Net with an example. | CO2 | 5 |
| c. | Draw and explain .Net framework. | CO1 | 10 |
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| 3. | a. | Write note on floating point data type. | CO2 | 5 |
| b. | Explain operator precedence. | CO2 | 5 |
| c. | List the various value data types and explain with an example. | CO6 | 10 |
| **(OR)** | | | | |
| 4. | a. | Write the steps to create string. | CO6 | 5 |
|  | b. | Define i) Operand  ii) Statement | CO2 | 5 |
|  | c. | Explain Date Time Reference Object with an example. | CO6 | 10 |
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| 5. | a. | Differentiate array with arraylist. | CO5 |  |
| b. | List out the relational operators in C# with example. | CO6 | 5 |
| c. | Ilustrate switch statement with an example. | CO6 | 10 |
| **(OR)** | | | | |
| 6. | a. | Explain Jagged Array with example. | CO5 | 5 |
| b. | Write the methods to initialize, add and access elements in Arraylist. | CO5 | 5 |
| c. | Explain decision making statements with flow chart and example. | CO3 | 10 |
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| 7. | a. | List and explain the different access modifiers. | CO6 | 5 |
| b. | Write a short note on Bug. | CO4 | 5 |
| c. | Create a simple calculator by implementing the use of classes and objects. | CO2 | 10 |
| **(OR)** | | | | |
| 8. | a. | Explain UML Light with its general format. | CO4 | 5 |
| b. | Explain the scope of a variable. | CO5 | 5 |
| c. | Explain constructors with its classification. | CO2 | 10 |
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|  | | **Compulsory**: |  |  |
| 9. | a. | Explain the different SQL aggregate methods. | CO4 | 5 |
| b. | List out the different forms of Data normalization. | CO4 | 5 |
| c. | Write the method to access the data from the database in a connected environment. Explain with an example. | CO5 | 10 |