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



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

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| **Code :** | **17CA2013** | **Duration :** | **3hrs** |
| **Sub. Name :** | **VISUAL PROGRAMMING** | **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. | Explain the advantages of using .NET framework. | CO4 | 10 |
| b. | Discuss the common classes and techniques in .NET framework. | CO4 | 10 |
| **(OR)** | | | | |
| 2. | a. | Elaborate the components available in visual basic integrated IDE. | CO4 | 15 |
| b. | Develop a console application to calculate the distance between two points. | CO1 | 5 |
|  |  |  |  |  |
| 3. | a. | List the data type used in VB.NET with its bytes of storage. | CO2 | 10 |
| b. | Explain the operators used in VB.NET. | CO2 | 10 |
| **(OR)** | | | | |
| 4. | a. | Write about the naming and notation used in .NET framework. | CO2 | 10 |
| b. | Develop a console application to perform basic arithmetic operations. | CO2 | 10 |
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| 5. | a. | Develop a program to calculate the factorial of a number. | CO3 | 8 |
| b. | Explain looping statements in VB.NET with suitable example. | CO2 | 12 |
| **(OR)** | | | | |
| 6. | a. | Elaborate conditional statement with suitable example. | CO2 | 12 |
| b. | Build a program to check the entered character is vowel or not using select case statement. | CO3 | 8 |
|  |  |  |  |  |
| 7. | a. | Design a window application to demonstrate the usage of panel and tab control. | CO5 | 15 |
| b. | State the advantages of using MDI form. | CO5 | 5 |
| **(OR)** | | | | |
| 8. | a. | Create a windows application to demonstrate visual inheritance. | CO5 | 10 |
| b. | Design a form to display personal details in a gridview. | CO5 | 10 |
|  | | **Compulsory**: |  |  |
| 9. | a. | Design a *Book* table with fields *booktitle, author, publication,year* and *price*. Develop a windows application to connect to the database using Datagrid view control. | CO5 | 10 |
| b. | Explain inheritance and types of inheritance in VB.Net. | CO6 | 10 |