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



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

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| **Code :** | **16CA2013** | **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. | Disuss about the Hungarian notation used in controls. | CO1 | 10 |
| b. | Explain the classes used in .NET framework. | CO1 | 10 |
| **(OR)** | | | | |
| 2. | a. | Explain the advantages of using .NET framework. | CO1 | 10 |
| b. | How variables and constants are created in VB.NET? | CO2 | 5 |
|  |  |  |  |  |
| 3. | a. | Discuss about variables and data types. | CO2 | 10 |
| b. | Develop a console application to accept the *length* and *breadth* as inputs and calculate the area of a triangle. | CO2 | 10 |
| **(OR)** | | | | |
| 4. | a. | Explain control flow statement with suitable example. | CO2 | 12 |
| b. | Build a program to perform basic arithmetic operation using select case statement. | CO2 | 8 |
|  |  |  |  |  |
| 5. | a. | Develop a program to handle events in VB.NET. | CO3 | 10 |
| b. | Explain looping statements in VB.NET with suitable example. | CO2 | 10 |
| **(OR)** | | | | |
| 6. | a. | Explain any five string handling function with example. | CO2 | 12 |
| b. | Build a program to find the sum of digits in a number. | CO2 | 8 |
|  |  |  |  |  |
| 7. | a. | Design a window application to find the factorial of a number using function. | CO3 | 10 |
| b. | Explain array with suitable example. | CO2 | 10 |
| **(OR)** | | | | |
| 8. | a. | Design an application to create menu and state the advantage of using MDI form. | CO3 | 10 |
| b. | Build an application to handle mouse events. | CO3 | 10 |
|  | | **Compulsory**: |  |  |
| 9. | a. | Design a Employeetable with fields *empname, empid, designation,* and *salary*. Develop a window application to connect to the database using Datagrid view control. | CO3 | 10 |
| b. | Explain about file system controls in VB.NET. | CO3 | 10 |