**ASSIGNMENT**

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| **SESSION** | **AUGUST 2023** |
| **PROGRAM** | **BACHELOR of computer applications (BCA)** |
| **SEMESTER** | **V** |
| **course CODE & NAME** | **DCA3102– Visual Programming** |
| **CREDITS** | **4** |
| **nUMBER OF ASSIGNMENTS & Marks** | **02**  **30 Marks each** |

**Note:** Answer all questions. Kindly note that answers for 10 marks questions should be approximately of 400 - 450 words. Each question is followed by evaluation scheme.

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| **Q.No** | **Assignment Set – 1**  **Questions** | **Marks** | **Total Marks** |
|  | **Discuss the Architecture of .Net platform. What is Just-In-Time compiler?** | **5+5** | **10** |
|  | **Write a detailed note on various data types and operators in .NET** | **3+7** | **10** |
|  | **Explain the features of Object-Oriented Programming concepts. Also discuss the concept of constructor and destructor with appropriate example.** | **5+5** | **10** |

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| **Q.No** | **Assignment Set – 2**  **Questions** | **Marks** | **Total Marks** |
| 1. **A** | **What is FileStream? Discuss the parameters required to create a FileStream object.** | **5** | **10** |
| **B** | **Discuss the various file modes used to open a file with appropriate example.** | **5** |  |
|  | **What is Data adapter? Explain its role in database** | **10** | **10** |
|  | **Describe the concept of Exceptions in .Net environment. Explain the Exit Try statement with the suitable example.** | **5+5** | **10** |