|  |  |
| --- | --- |
|  | **ABES Engineering College, Ghaziabad**  **Department of Computer Science** |

Session: 2023-24 Semester: 4th Section: A, B, C Course Code: BCS 403 Course Name: Object Oriented Programming with Java

Assignment 3

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Question** | **KL, CO** |
| 1 | What is functional interface? Explain using an example java program. | K2, CO3 |
| 2 | 1. Explain lambda expression and it types using suitable example. 2. Make a program to print factorial of a number by using Lambda Block. | K2, CO3 |
| 3 | Use stream API concept to write a java program that outputs sum of integer in an array list. | K2, CO3 |
| 4. | Explain the following methods in java.   1. Default method 2. Static method 3. forEach() method 4. Importance of Type annotations | K2, CO3 |
| 5. | 1. Discuss reduction operation in Stream API. Use java code to demonstrate the concept. 2. Write short note on try-with-resources. | K2, CO3 |