

**Alliance College of Engineering and Design**

**Bachelor of Technology Batch: 2019-23**

**Semester - VI**

**Mid Semester Examinations-I, March - 2022**

**Subject Code & Title: CS 602 – Service-Oriented Programming**

**Date: 02.03.2022 Time: 1½ Hrs. (2:30pm to 4:00pm) Max. Marks: 50**

**Instructions to Students:**

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| 1. **Question no.1 is compulsory.** 2. **Answer any 3 questions out of the remaining four.** 3. **DO NOT use a pencil to mark your responses except for drawings/diagrams/sketches.** 4. ***Assume suitable data if missing.***   **Name:………………………………………. Reg No.:…………………………** |

Part - A (1X5=5)

1. Explain the different ways to handle exceptions. (CO-1, BTL-3) 5

Part – B (3X15=45)

1. a. Explain the concept of interface with employee details to collect input, compute salary, and display details of employees. (CO-1, BTL-3) 8

b. Compare J2SE and J2EE (CO-1, BTL-2) 7

1. a. Write an XML program for book details supported by its internal DTD files.

(CO-2, BTL-3) 8

b. Write a program to display employee data using XSL from the given XML documents

(CO-2, BTL-3) 7

4. a. Explain XML namespace with an example (CO-2, BTL-3) 5

b. Explain JDBC API with its Driver types and database connectivity statements.

(CO-2, BTL-3) 10

5. Explain polymorphism with an example to solve simple interest and compound interest.

(CO-2, BTL-3) 15

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