

**MCSL-222 (Set-4)**  
MASTER OF COMPUTER APPLICATIONS  
(MCA-NEW)  
OOAD and Web Technologies Lab

Duration : 2 hours

Maximum Marks : 50

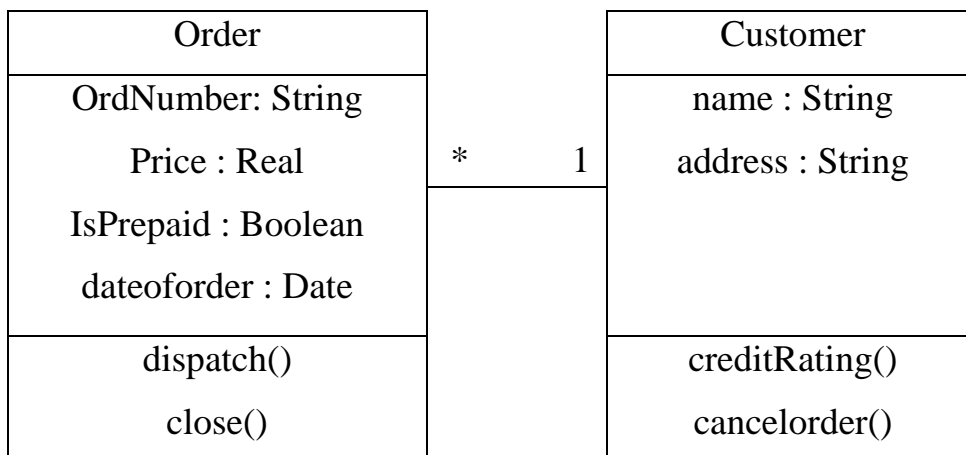
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- Note:
1. There are two sections in this paper.
  2. Each section is of 1 hour duration.
  3. Attempt only that section(s) in which you are not yet successful.

**SECTION-1: OOAD**

Note: Answer the following question. It carries 20 marks and the viva-voce is of 5 marks.

1. Implement following association in C++/Java.



## **SECTION-2: Web Technologies**

Note: Answer the following question. It carries 20 marks and the viva-voce is of 5 marks.

2. Write simple program for role-based authentication using Spring Boot.

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