Lab Exam: Final-Term   *Section*: B7   *Semester*: Spring 2024-2025   *Time*: 30 mins   *Total Marks*: 15

Name:	ID:	Marks:

OBE based Course Assessment

CO2: *Predict aspects of procedural programming fundamentals and solve computer programs using C++ programming language.*

Assessment Criteria	Logical Analysis	Coding Structure	Operations	Total (15)
Criteria Marks Achieved				

Problem Scenario: You are tasked with creating a system to store information about books and categorize them based on price.

Structure	Book	Book Category criteria	Required Procedural Programming Components:	
			Components	**Yes/No**
Variables	string title string author float price	**1. Expensive:** Price more than 2000 **2. Moderate:** Price between 800 and 2000	Conditional Statements	
			Loop	
Methods	void showDetails()	**3. Cheap:** Price less than 800	1D Array	
	void priceCategory()		Function	

a) Create two books with the following details: ("The Alchemist", "Paulo Coelho", 1500), ("C++ Primer", "Stanley B. Lippman", 2200).

b) Display book information using function calling.

c) In the main function compare their price categories and display if they belong to the same category or not.