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Course Title	Computer Fundamentals	Course Code	CSE112	Section	
Marks	15	Quiz No:	03	Time	50 minutes
Student ID		Student Name			

Q1	You are developing a system for a local library to manage the book-borrowing process. The library allows users to borrow books for a specific duration (e.g., 14 days). The system should perform the following steps: 1. Ask the user to input the book title and the days they want to borrow it. 2. Check if the number of days entered is valid (i.e., greater than 0 but less than or equal to 30). 3. If the number of days is valid: ○ Display a message confirming the book borrowing along with the borrowing period. ○ Ask if the user wants to borrow another book. 4. If the number of days is not valid: ○ Display an error message and ask the user to again enter the number of days. 5. End the process when the user chooses not to borrow another book. Create a flowchart that outlines the steps of the book borrowing process as described in the scenario.	6
Q2	You are asked to write an algorithm and corresponding pseudocode to simulate a basic ATM withdrawal system. The system should allow a user to input their PIN, check account balance, and withdraw money (only if sufficient balance exists). Now critically analyze and answer the following: 1. What are the key steps you would include in your algorithm to ensure both correctness and user security?	3
	2. How would you design the pseudocode to handle incorrect PIN entries (with a limit of 3 attempts) and insufficient balance?	3
	3. Could your pseudocode lead to any logical or runtime errors? Justify your answer.	3