

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? 2. How would you design the pseudocode to handle incorrect PIN entries (with a limit of 3 attempts) and insufficient balance? 3. Could your pseudocode lead to any logical or runtime errors? Justify your answer.	3 3 3