

American International University-Bangladesh
Course: CSC 1101: Introduction to Computer Studies

Lab Exam: MID-TERM

Section: B2

Semester: Summer 2024-25

Time: 30 mins

Total Marks: 15

Name:	ID:	Marks:
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Instructions:

CO2: Solve a given engineering problem scenario using Flowchart.

Knowledge and proper use (5)		Problem analysis (5)	Correctness (5)	
Evaluation Criteria	Evaluation Definition		Marks	T (15)
Knowledge and proper use of Flowchart and Algorithm	Proper knowledge and concept of relevant topics are reflected.			
Problem Analysis	Clearly identifies and summarizes the concerns, issues, and problems related to Algorithm and Flowchart.			
Correctness	Create the flowchart of the solution after identification and summarization of the concern related to Algorithm.			

Problem Scenario:

Solution:

```
#include <iostream>
using namespace std;

int main() {
    int speed, n;

    cout << "Enter Vehicle number: ";
    cin >> n;

    for (int i = 1; i <= n; i++) {
        cout << "Enter speed of Vehicle: ";
        cin >> speed;

        if (speed > 120) {
            cout << "Over Speeding" << endl;
        }
        else if (speed >= 60) {
            cout << "Normal" << endl;
        }
        else {
            cout << "Slow" << endl;
        }
    }

    return 0;
}
```