

Assignment 3

Course Outcome (CO3): *Formulate logical solutions using flowcharts and algorithms for well- defined problems.*

Part A: Short Answer Questions

Q. No.	Question	Bloom's Level
1	List different types of decision-making structures in C.	Remember
2	Write the syntax of an if-else statement with a simple example.	Remember / Understand
3	What is the difference between a while loop and a do-while loop?	Understand
4	Define the purpose of the break and continue statements with examples.	Understand

Part B: Long Answer Questions

Q. No.	Question	Bloom's Level
5	Explain the working of nested if statements with an example program.	Understand / Apply
6	Discuss the switch-case structure in C. How is it different from if-else?	Analyze
7	Write a program using a for loop to print the multiplication table of a number.	Apply
8	Explain the concept of nested loops with a suitable program (e.g., pattern printing).	Apply / Analyze
9	What is the use of the goto statement in C? Write a program that demonstrates its working.	Apply

Part C: Application / Case-based Questions

Q. No.	Question	Bloom's Level
10	Write a C program to find the largest of three numbers using nested if-else .	Apply
11	Write a C program using a switch-case to display the name of a day based on user input (1 for Monday, 2 for Tuesday, etc.).	Apply
12	Write a program using loops to print the following pattern: * ** ***	Apply/ Analyze

Q. No.	Question	Bloom's Level
	<p>****</p> <p>1 12 123 1234 12345</p> <p>A AB ABC ABCD ABCDE</p>	

*** ALL THE BEST ***