



Daffodil International University
Faculty of Science & Information Technology
Department of Information Technology & Management
Mid-Term Examination, Spring 2025
Course Code: ITM121; Course Title: Structured Programming
Sections & Teachers: All

Time: 1:30 Hrs

Marks: 25

Answer ALL Questions

[The figures in the right margin indicate the full marks and corresponding course outcomes. All portions of each question must be answered sequentially.]

1.	a)	Differentiate between keyword and identifier.	[Marks-2]	CO-1 Level-2
	b)	State the rules for variable naming in C.	[Marks-3]	
2.	a)	Define with example: Relational operator, logical operator.	[Marks-2]	CO-1 Level-1
	b)	Write down the rules for using switch cases.	[Marks-3]	
3.	a)	A cinema allows ticket booking based on age: • Below 5 years → "Free Entry" • 5 to 12 years → "Child Ticket" • 13 to 60 years → "Adult Ticket" • Above 60 years → "Senior Citizen Discount Applied" Now construct a solution in C to implement the given scenario.	[Marks-5]	CO-2 Level-3
4.	a)	Construct a solution in C to calculate the LCM of 2 numbers given by the user. Use a while loop in the implementation.	[Marks-5]	CO-2 Level-3
	b)	Construct a solution in C to determine whether a given number is prime or not.	[Marks-5]	