BRAC UNIVERSITY

Department of Computer Science and Engineering

CSE 260: Digital Logic Design

Examination: Quiz 3
Duration: 25 Minutes

Semester: Spring 2025 Full Marks: 15

Name: Solution	ID:
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Note: You must mention MSB, LSB in case of all the input and outputs.

1. CO3	Build a 3 input OR gate using three 4:1 MUX(s). (Consider A,B,C as inputs where A is MSB and C is LSB)	[8]
2. CO3	Build Excess-4 to BCD converter using Encoder-Decoder.	[7]

	AI	13	C	A+B+C
0	0	0	0	0
1	0	0	1.	1-1-1
2	0	ومان	0	The Land
3	0	La	1	1
4	1	0	0	
5	1	0	1	1
6	1	1	0	• 1
又	1)	1	1
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F(A,B,C) = & (1,2,3,4,5,6,8)



