COAL BS CS Fall 2022 Quiz 8

Time allowed: 10 min	Quiz 8 Total marks: 10
Roll Number:	Name:
Q#1	[7 Marks]
<u>C</u>	ection variable S and two 4-bits data inputs A and B. arithmetic operations in conjunction with input carry two stages.

S	Cin = 0	<i>Cin</i> = 1
0	A+B	A+1
1	A-1	A-B

Q#2A digital computer has a common bus system with 16 register 32 bit each. Bus is designed using Multiplexers.

i.	How many selections lines are there in multiplexers:	
	,	
ii.	What is the size of Multiplexers	
iii.	How many Multiplexers are needed .	