## COAL BS CS Fall 2022 Quiz 9

	Time allowed: 10 min				Total marks: 1		
Roll Number:				Name:			
Q1:						[3]	]
A computer h for register re	-	-	16 bits.	11 bits are for addres	ss, 3 bits are fo	r op-code and	2 bits ar
Max size	of memo	ory:					
Number	of operat	tion:					
Number	of registe	ers:					
Q2:						[3]	]
<b>Q3:</b> Write the	RTL with	nout con	trol bits	for following table?		[3	1
	<b>S</b> <sub>2</sub>	<b>S</b> <sub>1</sub>	<b>S</b> <sub>0</sub>	LD of Register	Memory	Adder	
	1	1	1	AR	Read		
<b>Q4:</b> Assume in th conditions?	e Basic (	Compute	er, <b>D7</b> =	<b>0, I=0, T3 = 1</b> . What i	s going to be h	[3] appened unde	

 $D_6T_6$ : IF (AC  $\neq$  0), then PC  $\leftarrow$  PC+1