## **:: ASSIGNMENT # 5 ::**

**ID:** 11533

Name: Ashir Ali Khan

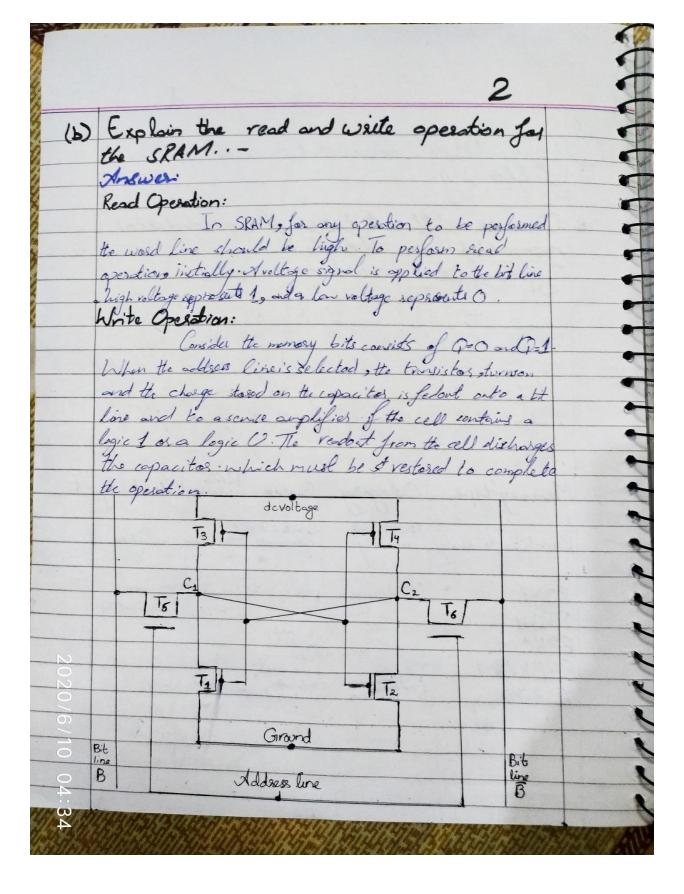
**Subject: Computer Architecture** 

**Teacher: Sir Muhammad Amin** 

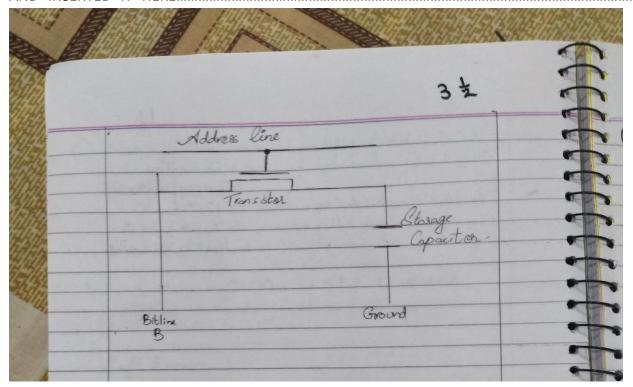


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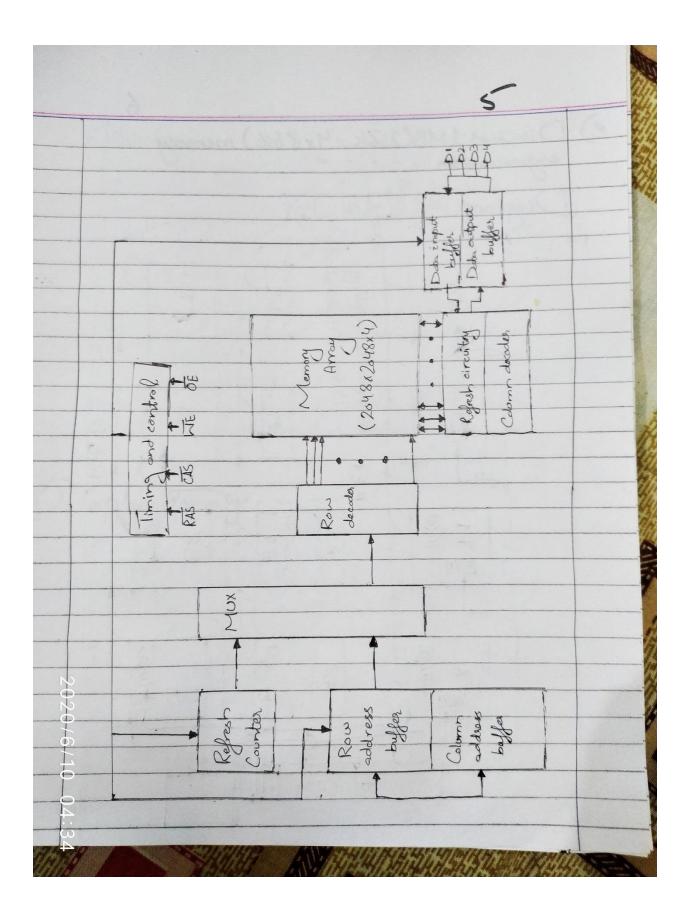
1					1	
9	Give detaing	il answe	es to ea	ach of	the	
	Jollowing.	•				
نف	Discuss de	lesent tu	pes els	enicon	ductor	
	Discuss de	in deta	il.			,
	Junes of sei	micondert	or mem	osies.		
	to as RAMO	nost commo	is se	wines &	reffered	
	to as RAMI	(Random acce	es Memory	1) Nost	types have	
+	be properly of N	protom ficcess	icmory	nous	10,100	
+	it take the location Below	all make	of time	explain	deferent	
1000	1			1		
-	cypes 30				L.	
1 1	types g.	101	10	Write	V 0 4: 0: 4	
1	Temory type	Category	CINUE	Write mechanism	Volatility	
1	Temory type	Category Real/waite	Clectrically Bite level	Hrite mechanism Flectrically	Volatility volatile	
1		Real/wate manaly	Clectrically Prite level	Electrically	volotile	
R	Temory type	Real/wate manaly	Clectrically Prite level	Electrically	volotile	
R. K. F.	Temory type  AM (vandomanary)  POM  PROM	Real/wate manaly	Clectrically Prite level	Electrically	volotile	
R	PROM	Real/wate memory Real onlymen	electrically site level	Electrically	volotile	
R	Pomory type  AM (vandomanay)  POM  PROM  PROM  EPROM	Read onlymen	a Not possible  original  original  original  original  original  original	Electrically	volotile	
R	PROM	Real/wate manaly	a Not possible  original  original  original  original  original  original	Flectrially	volotile	
R	Pomory type  AM (vandomanay)  POM  PROM  PROM  EPROM	Read onlymen	a Not possible  original  original  original  original  original  original	Flectrially	volotile	
R K F F E	Pernory type  AM (vandomanary)  POM  PROM  PROM  Sh Momory	Read onlymen	a Not possible  original  original  original  original  original  original	Flectrially	volotile	
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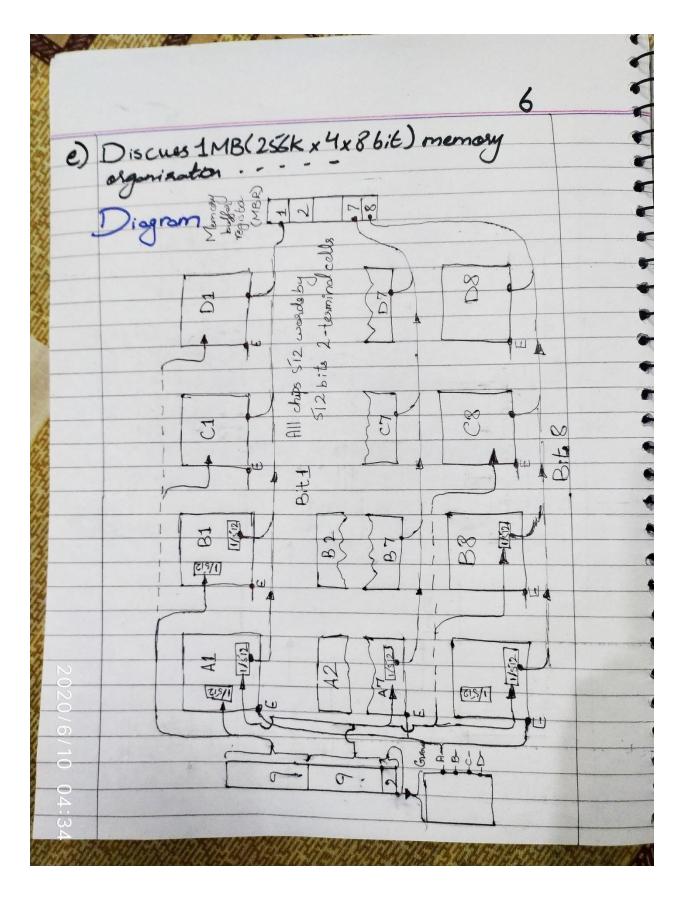


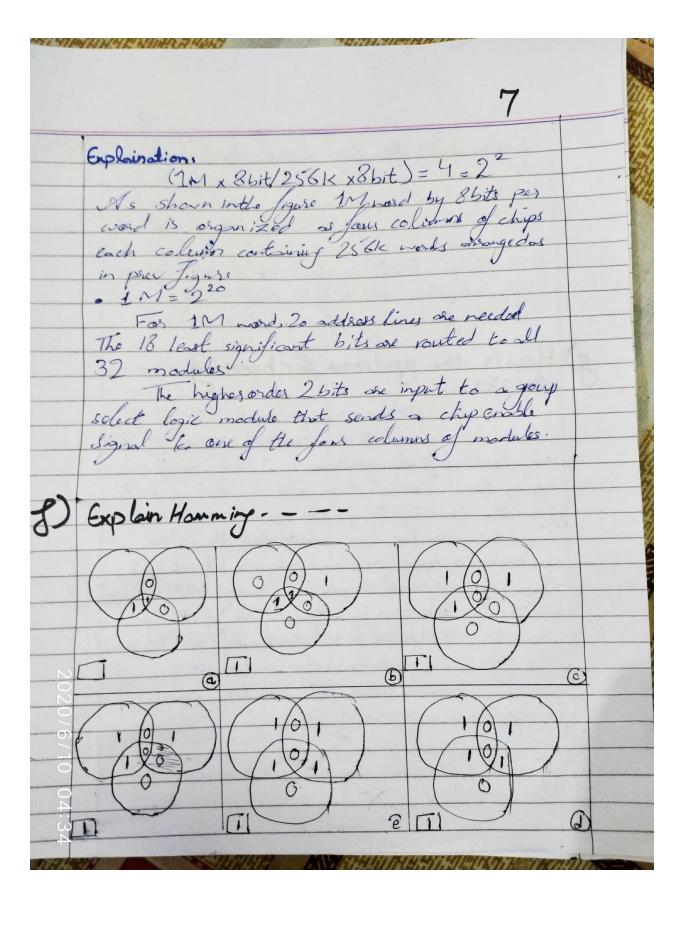
THIS IS THE DIAGRAM OF PART C I FORGOT TO MAKE IT IN START SO MADE IT IN THE END AND INSERTED IT HERE......



t a readoperation is Refresh comter stepthrough all of the For each line: Memos row is chosen, RASiline is activited Stage readout and written back into the some location







	0.1	9	
12	Differentiate e	ach of the following:	-
		100000000000000000000000000000000000000	
2)	DRAM and Si	RAM:	
	DRAM	SRAM	
		and SRAM is expensive.	
	DRAM requires the sun	sorting SRAM does not require any	
2	refreshing circuitry	refresh circuity.	
	DRAM are Normal is	SRAM one faster in speed than DRAM	
	DRAM is used for m		
	memosy	memory.	
	V		
	61		-
10		Clark Manage	ĝ,r
75	EPROM and	TIOSH TO LEHIOT 9	7
	EEPROM	Flash Memory	
EE	EPROM devices can erose	()	
	ite of memory at any time	me or entire thunk or "Sector" of memory at a time.	
		The state of the s	
	EPROM wer NOR	Flash memory uses NAND	>
, E	EPROM user NOR	Flash memory uses NAND	
E	1		

The checkbits one in bit numbers 8,42 and 1 Checkbit 8 shoulated by values in bit numbers = 12,11,10, and9=0 Checkbit 4 calculated by values in 1 12,7,06 and 5=1 Checkbit 2 calculated by values in 11,910,7,6 and 3=6 Check bit 1 calculated by values in 11,910,9,7,5 and 3=0 Thus the check bit see: 0010