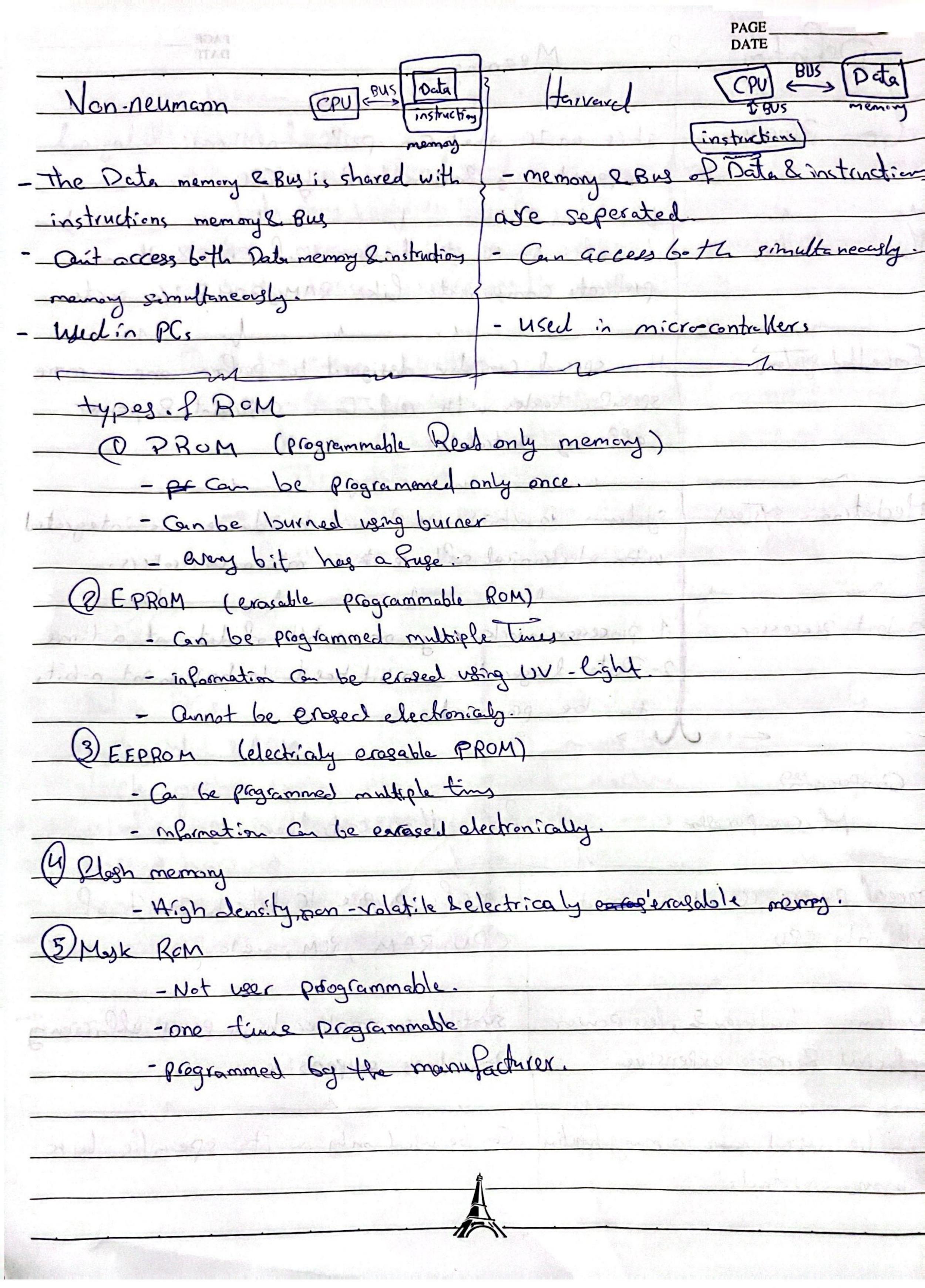
0.1.	2 M			PAGEDATE
Definition.		eaning		
				CHARLES AND
Micro-Processor.				hmatic belogical
	peration	ng & con	sists of only CPU	
4	1		h-	
Micro-Controller	it is also o	an 10 tha	t consiste el C	PU & other
	prefirate c	omponents	like RAM, RO	M&i/a parte.
<u></u>				
Embedled systems	It is special	computer o	lesigned to per	form one or more
	specific tos	sks with	eal-time consti	ainte & power
	efficency			M. A. J. 13
			4	
Mechationic systems				
	with a lectro	nical softwa	re 3 on micro-	controllers.
				<u> </u>
n-bit processor.	1- 260 CESSOY	works anly	on n-bit of	deta at a time
11 (11)	2-Date la	gor than r	-bit has to be	broken int n-bits
		processed.		
		among a Li		E PARTIE E
		1 /	/ / / / / / / / / / / / / / / / / / /	
Comparison Cicno-pacesso		2 U.	10-controller	
- Mario Processo	1	1	/	1
1000	the state of the s	Spacific	puipose 10 Whice	1 Consite of
general purpose 10 wh				
of only CPU		LPO, KA	m, Rom, et	
				00.55
system is bulkser & less power				power efficiency
efficient 2 more ex	ensive.	1 los	expensive	
-n			<u></u>	-1
On be used more	in many functing	Car be use	donly in its	sperific lyk
more verstaile				



	PAGE
Types PRAM.	
State RAY SRAY	(3) Pynamic RAM DRAM
- Mac expensive	- less expensive.
- used for speed-sensibre Cache	- Slower than SRAM
- medrum pour Consumption	· Higher Capacity (1 transistor + 1 Cap
- Regt	- needs refreshing the to power
- less Capacity (6 transistors = 1 bit)	
- Ne refreshing needed	1 24 2000
the Lead Later Vision Co.	A LA
Used in micro-controllers	used in PCs due
one to lower power Consumption	to high Capacity
beging the test of the second	
(3) Non-voktile RAM	V Lote L. MALLIN
	teny as back-up so that
Contents are not lost after powe	
	PAH celle builtwith CMCS
teehoology.	
- anthu type of WVRAL	1 is built comprising SRAM
with EFPROM where offer power	Et contents are corillen on
GEPROM 2 often power on contents	
à	

(36) because in normal operation ROM Connot be written										
(26) bee	enje in nov	mel oberation	m KC	M Cov	mot be	Written				
00	on it by the CPU, and it needs special circumstances to									
or special equipment to circle on it.										
772e Writeable? Fire Cycles (perbyte) & peed										
Type	Volatile?	writeable?	fize,	Cycles	(perbyte)	speed				
	Jolgo		12000							
SIRAM	YM	Yes	Byte	unlimited	expensive	Sugt				
DRAM	YU	Tes	Byte	unlimited	moderate	moderate				
PROM	NC	once	none	7010	moderate	fest				
EPROM	NO	Yes	entire	United	moderate	fast				
EFPROM	No	Yes	Byte	limited	moderate	Fast in R				
Mosk Rom	N/0	No 19	none		inexpensive	Bus t				
Flash	No	yes	sector	limited	moderate	fost to rea				
NV-RAM	NO	yes MA	The state of the s		expensive	1000				
	1-120-20	a siddle () laide	0		4:					
				2 , V I	21.22					
MALA	1 125	1002								
The state of the s					No manda and					
1447	. 11.11	· / ACI/IA								
- MAL mo		I store how been								