

Camlin Page No. 25 Experiment Name / No.: 8. FAMILIARIZATION OF 8086 TRAINER KIT Date 18 / 02 / 2020 Aim To Jameliasieze with the 8086 toraines kit

Theory 5 The "STS 8086LCD" toraines is a MICROPROCESSOR toraines, which can work on 8086 This kit can be used as a developer kit Jon 8086 based pringerams & interfaces. This trainer kit contains storing monitoring program which is user Julearly & an be easily handled by a beginness in the Iteld of micourpsiocessoois. Key Jentiness of ST88086LCD toxiness age - User Josendly monitoring parguam

To Built in Inline assembles for entering pringeroms as mnemonics

> Disassembles to examine the psuggeams

-> Single stepping & Bowak point Jeakuse to debug pougonam

-> PS/2 Keyboased intespace

7 Contain most of the interface modules such as 8255, 8253, 8251 etc

+ Simple menu operated commands, easy to use

- Uses Jarendly text edition to enter text Jan assembles

-> Poroper enous messages to identify assembling enumers

- Commande to enable, disable & edit bounk points

> Remembers straiting & ending addresses of move & Ill commands when supert the comman

Wien/Modify command to edit contents of RAM Irration.

> Fill command to gill RAM locations with a provincular data

-> Move command move a block of data Jama a location to another location

System Specifications

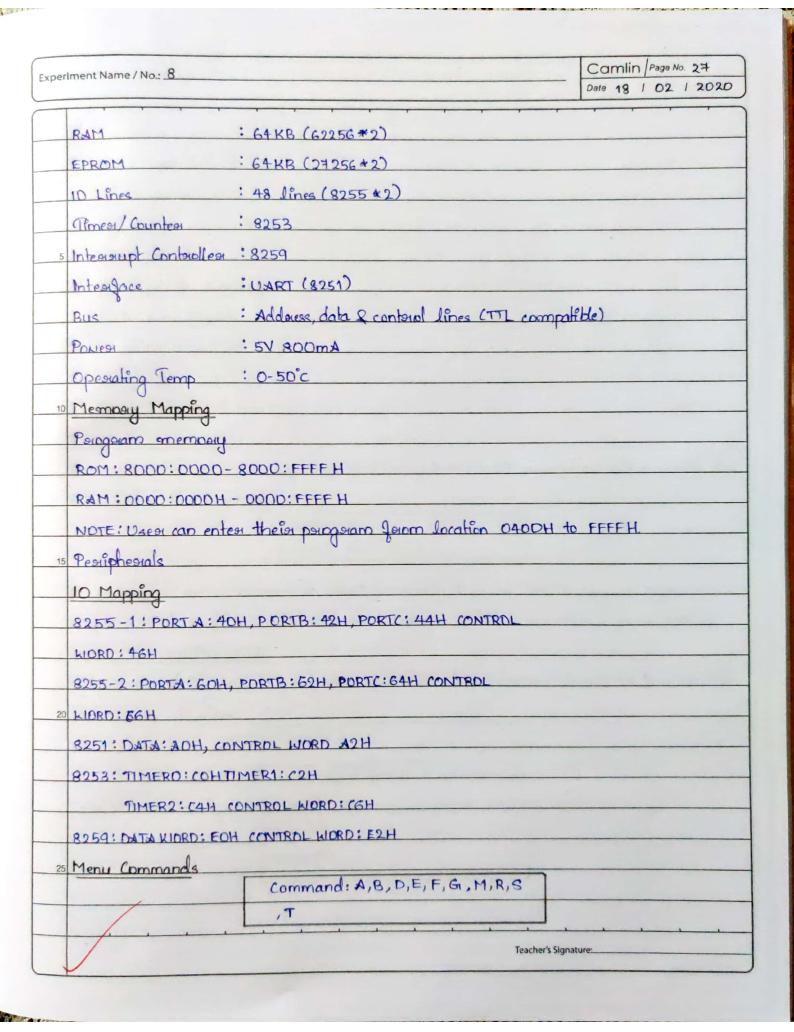
: 8086 /88 (16-bit paincessna)

25 Mock Forequency : 6.144 MHz

: PS/2, IBM Compatible Keybonord

: 16 * 2 LCD Module Display

Teacher's Signature:



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A:- Assemble				
B:- Block Move				
D:- Disassemble				
F:- Fell data				
5 Gi- Rol Execute				
M:- Modify/View Memory				
E:- Edit/ View Memory				
R:- Register view/Edit				
S:- Single Step				
10 T:- View/Edit Bareak point				
MENU 'A': ASSEMBLE				
	mbly language disrectly in to the kit, assemb	less will assemble the		
8086 installetion in male				
	ASSEMBLER			
15	ENTER START ADDR:			
Non used can enter add	lovess to stront assembly & povess 'ENTER'	key on kouhmand. The		
	address screen Enter a valid instruction			
MENU 'G': GO/EXECUTI				
	- to perform execution of program. So	elect 'G' 9091 execution.		
20 The display will show		8		
	Execute			
	Enter starting addr			
Now enter starting add	lovess of psingpinion & povess 'ENTER' again	Ò.		
25	Executing			
	Teacher's Signatu	ire:		

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MENU 'M': MODIFY / VIEW MEMORY	2000	The Year	+	
In this mode, used can view the anomany contents dise	ctly. Ag	tex sele	eling this	
option, the scoreen will ask for stroiting address; the d				
Modify Memory		120000		
Enter Starting Addr:_	- 00	et land		
Then enter straiting address & Ast 'ENTER' then the expeen will be				
Modify Memory				
400:00				
10 Enter the new HEX value using 0-9 kgys from number &	A-F kous	Jose do	ita koys.	
POLESS ENTER to accept the data & Backspace to decomme				
the contents by possessing 'ENTER' up memory address &				
memory address		1	7 (
Priess 'Esc' to exit Joinson this mode.	1103.30	1307	anlanan	
15 200	3 1		mani	
Result				
Fagailiasiized with the 8086 tomines kit.				
			1	
20	mine	4	101-1000	
3 5	20		1.2	
25				
Teac	her's Signature:	-		