## WEST BENGIAL STATE UNIVERSITY

REGISTRATION NO. JOTITIJI 1000 60 OF 2017

ROLL - 3201134 NO - 19162

SUBJECT - MICROPROCESSOR PRACTICAL

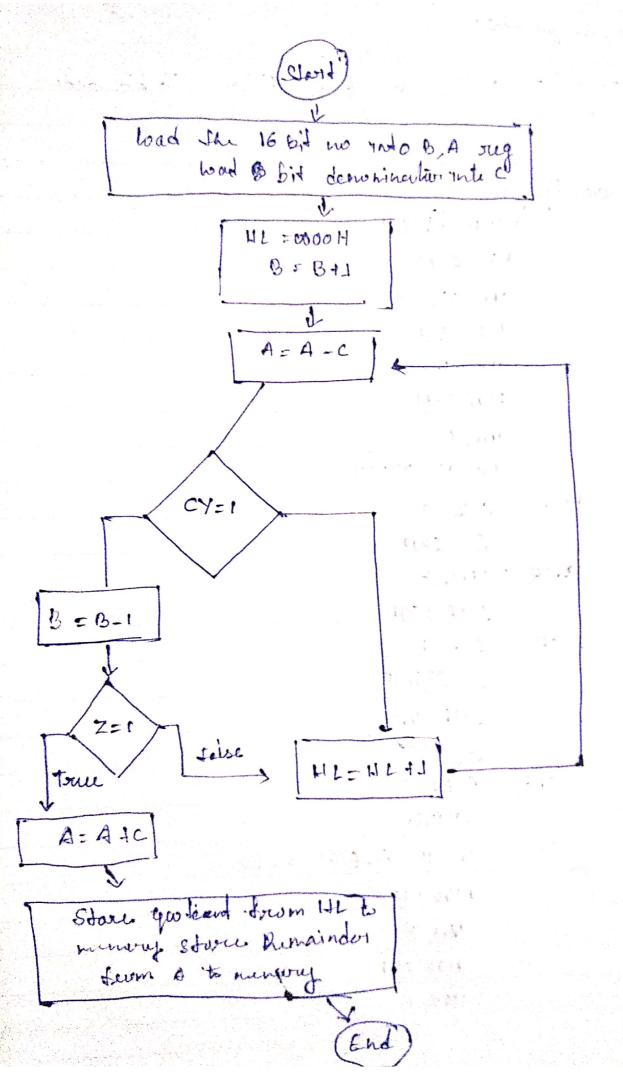
PAPER - III PAPER - III

Scanned with CamScanner

## Index

Si. No.	Name of the Experiment	Page No.	Date of Experiment	I)ate of Submission	R				
47	An AIP to add three no.	1-2							
2>	Roborn AND, OR, KOR	3-5							
	NAND, NOR, XNOR								
3>	Add two 16 by number	8 6-7							
4>	Pack two BCD numbers	8-9							
5>	Unpack two 11 11	10-11							
6>	Dala transfer from	12-14							
	one menory block to								
	another	\ \r \ \							
F	An ALP to And the	15-17							
	Sactarial of a number								
8>	An ALP to generali	18-20							
and the second s	Libonacci sories								
9>	A number is palindrome	21-22							
	not not								
10)	An ALP to count the ment	20-13							
	od 1/s In 8517 numbot.	26-29							
-11)	Divide 16 bid no by 8 bit	30-31							
12>	linear search								
and the same of th					Name and Advanced in the Party State of				
					No. of the last of				
					Name and Publisher of the Party				
					-				
					* 5				
					p. 3.11.11.11.11.11.11.11.11.11.11.11.11.11				
					-				

I Problem Statement - Write an ALP divide 16 bit down
by 8 bit '
D Assembly level Brogram -
LKI H E300H
MOV A, M
INX H
HOV B,M
INX H
MOV C, M
INR B
LX1 H, 0000H
100P: SOB C
JC SKIP
INCR : INXH
JMP 600P
SKIP DOR B
JZ STORE
SMP INCR
JZ STORE
STORE ADD C
₩CHG1
LKI H , E3950H E350
HOV H,E
INXH
MOV MOD
1MX H
Teacher's Signature & Date :



Ex	periment Name	•
Secret 4	Property of the state of the st	

Page No. 27	CLASS
Date:	Mora

a Assembly, level -, MOV H, A

HLT

11 Table	toun!			
Aldress		tebele	Unemonics	Comments.
E200	21		LX1 E 300 H	Point E300H address
E201	00			
E202	E3			
€203	7E		HOV A,H	Store the lover byte
€204	23		tki k fi	Increase the HL paint to hot
£205	46		HOV BILL	Hore the Ligher Order byte
E 200	25		INM H	Showers the HL pain
E207	4E		HOUC, M	took the do denomination
E 208	04		INRB	Incuase B rugislot
€ 209	21		FKI H 0000H	Storle GOOFINTO HIL
EQUA	00			
ELOB	00			
ELOC	91	LOOP	sob c	Subtract C from acc
E200	DA		JO SKIP	JUHP to ShIP when CY:1
€ 20 E	14			
E20f	fo			
EQ10	23	NCR	HXM	Increase quotient Part
E 211	C3		JMPLOOP	JUMP to LOOP
E 212	OC		-	
E 213	‡0			
E 214	05	skip	DCP B	Decrease B
E 215	CA		JNZ STORE	Jump to STORE whimest

Teacher's Signature & Date :

Experiment Name:

Page No. 98 CASS

oddruss	OPCode	lebèl	1 Unemonic	commonts.
£2\$G	10			
£214	10			
£ 218	(3		SMP INCR	JUMP to INCR
2219	10		5)1	
£ 21A	40			
E 21B	8.1	STORE	ADD C	Add c with Acc
ID 21C	23		WCHGi	Swap BE and ULpain
£210	21		Lx1 H , \$550 H	Load destination add.
€21E	50			
£215	80			
€220	73		MOV H, b	Store In Higher
E221	23		INXII	Incuese HL pain
E 222	72		HOV N.B	Stone In higher
€ 123	\$3		INK H	mericas HL
E 224	77		MOVNA	Stose the remainly
€925	7-76		HLT	
		1	i	

F Result

F RESULT						
Popul	E-200	E300	JB	Oalout - £350	G#	
	₽ <del>p</del>	E301	CA	£351	02	
		E 502	53	€352	2E	
				The state of the s	_	The same of the sa

Il Discussion - we was	sking the 16 bid member from
E300 H and E301 H . T	he E500 is to holding the lower corder
byho and \$00 6301 N	is holding Higher asider byt-
The JE30214 is holding	In 8-bit number necessation
4	Teacher's Signature & Date:

Experiment Name :			Page No. 29 Date :	Note Chess
Alla dividing 15 stand of E35111. The	In mumbers Cocation 800 Summindovies	Atry and Son	4 900 9 mol Al E350 14 a B E352 H	tient
	•	•		

€207

23

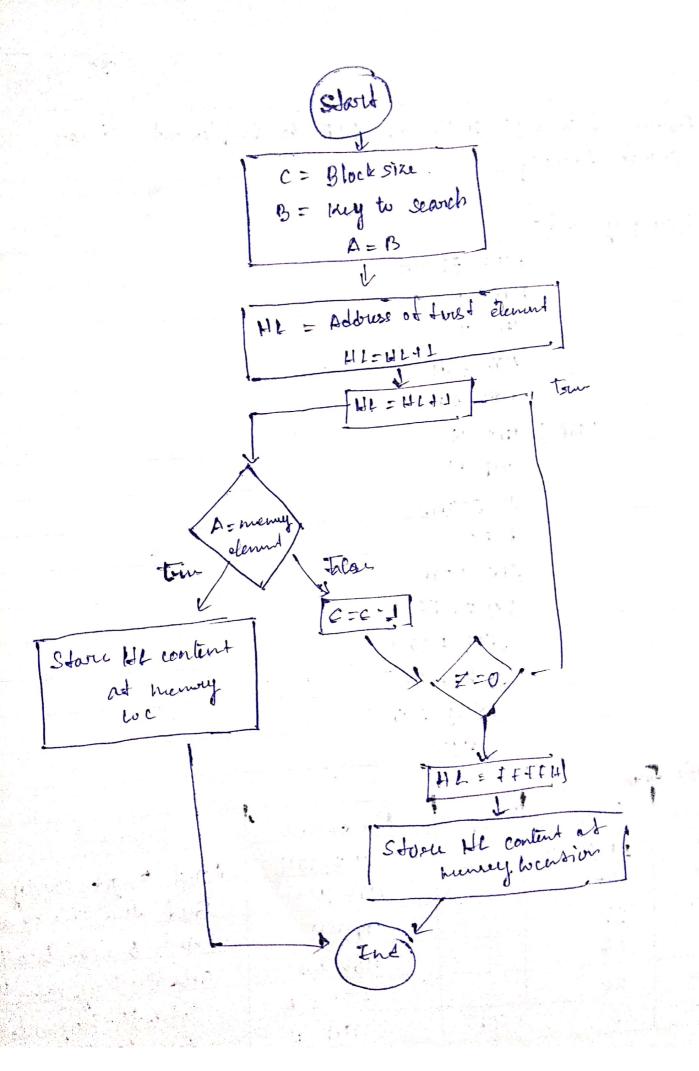
Experiment	vame :		14.10	Da	te: [Wiss]
@ Proble	n Statement	- write	an ALP to	Simplemen	f linear
Sear	ch technique	<i>u</i>		1	
D Assem	bly livel -		)		
	U	XIH E30	0H	1	
	' , <b>V</b>	lov e, M	-	٠,	
		INX H		-	
		MOV BOH	1	un *	
		MOV AB	· ·	~,	
	LOOP !	INX H			
		CMP M		<i>*</i> \	
		JZ JOUN	D		
		DCRC			
		JNZ LOO		· F-C	!
		LXI H, F	FFF	7	
		SHED E	40014	4 1 1	· 1.
		JMP: DO	NE		
		SHLD	E400H		
		TIH.	<del>,,,,</del>	i	
II Table &	mru				
Adous	Olcode	Civil	Mounties		Communt
E200	21,00,80		FX1 E300H	Point	to get averay sta
E203	4E.	)	HOVGH		f the sixe of any
€204	25		HXM	Poin	t & acx + location
£ 205	46		MOV BAR	Gert	. In Cray value to
€206	मह	1.000	MOV AB	ta	he the hay unte ac
11					The second secon

1200P

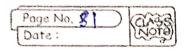
Teacher's Signature & Date : ...

INX H

Point to next was



Experiment Name :



Address	OPlade	tabels	Unemories (	Commands.
€208	GE_		OMP U	COMPORE menony ele and acc
E209	CA ,19, F6		SZEOUND	when 2 flag is sol got
£ 208	00		DCRC	Acrese C by 1
E 20D	C2,02.50		JNZ LOOP	when Court 15 and O famp
€218	21, 54, 54		FXI H ' E1-1-1	Land FIFF ING HL power
£213	12,00,96		SHLD EGO	Stunat Egool
E216	03,10, FO		JHP DONE	Jump to DONE
E214	22,00,90	JOUND	SHLD TOOH	
<b>F21L</b>	<b>स</b> ्	DONE	FLT	Tornibort the press
No. plant of				

O Result -						
Input	9 E300	06	Onped	E400	06	
Constitution and Consti	E301	55	(	£401	80	
	F30L	11				
	£305	22				
	£304	35				The second secon
	EBOS	44				
	E306	55				
To the same of the	E 30 7	66				

18 6 E301 14
14 and E5001 H
excusing
f the Judge
of lection
, Id all rule FA

Teacher's Signature & Date : .....