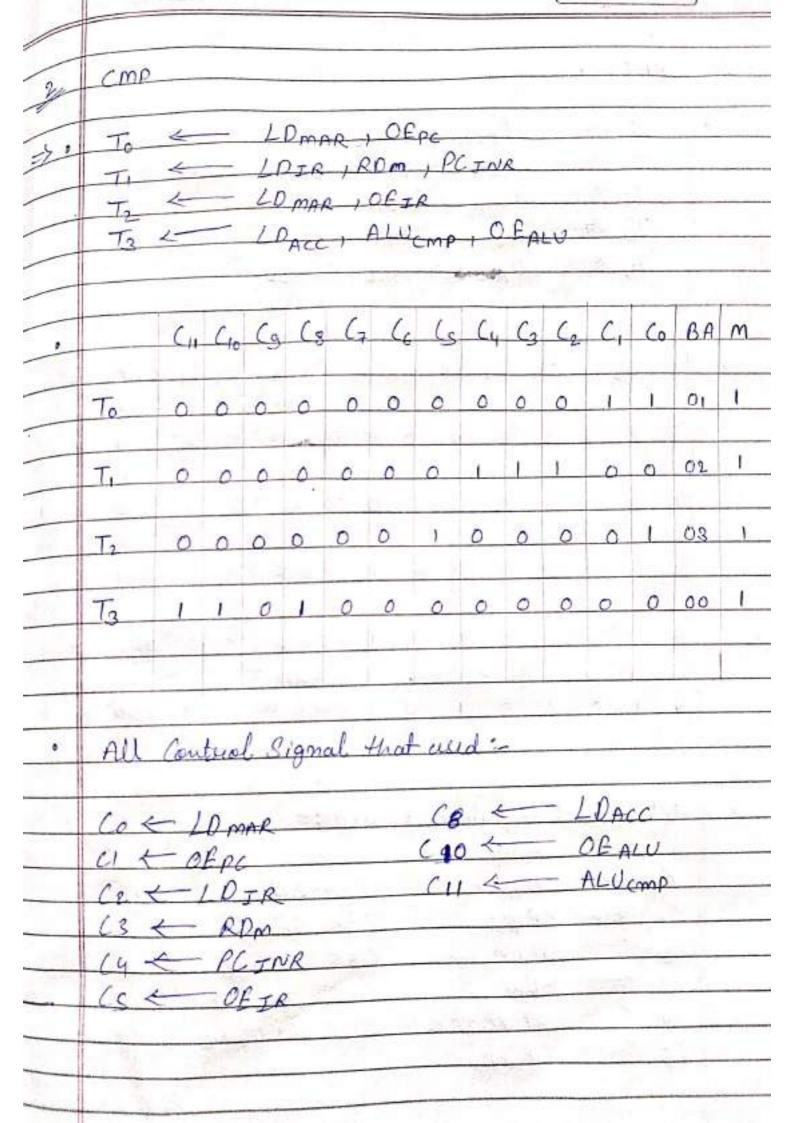
Salara	Name: - Sagar Crupta Roll No: - MC21107	Date: / / Page No.
	Contract Signals	
*	Assigning Control Signals:-	
	Co - Lomar Load enabled	
	$C_2 \leftarrow C_2$ Output enabled	
10	C3 < RDm Read Mes	nory.
	Cy PCINA PC Incom	ent led IR (Instruction register)
1	Cs CEIR Output enab	
1 3	C7 CPRI Output enabl	le Rs
	Cg < 10Acc Load enable	
	Cg = ALUADO ADD operate Cto = OF ALU Artput enab	
) 4	CII < ALUCMA Complements	peration in ALU
	C12 - ALVAND AND Operation	
	C13 C DE MAR Output enable	id PC
	CIS < LOR, Load enable	
	CIG CERZ Output ena	
	C17 = LOR2 Load ena	
	Cig C OFACE Output emal	de ACC
	Cro t Of x Output enab	de Immediate Varible(X)
0000		San Trans
_		STATE OF THE PARTY

Date: / / Page No.

ملي	A	00 8	4		_				-		-					
_		T₀ €		10.	000	06	'ec									
		TIE						CIA	12			_				
		To <		100	001	OE	J.R.			-	_		_			
		3 4 Tu 4		111111111111111111111111111111111111111					DE	1	- 15			_		
		_	84		411	-			_	-		,		_		
•	-	40	وك	Ca	C7	CG	Cs	C4.	Co	C2	C	Ce	BA	m		
		0	0	0	0_	0	O	0	0	0	1	1	01	1		
	T,	0	0	0	0	0	0	1	- 1	r	0	0	02	1		
	T <sub>2</sub>	0	0	0	0	0	ı	0	0	0	0	1	03	1		
	Tg	0	٥	0	1	1	0	0	0	0	0	0	04	1		
	Ty	1	i	1	0	٥	0	0	0	0	0	0	00	1		
			bi		Luce			2014								
•		Cont			al th	at w	lid									
					4			-		1 3						
	6		E PC	2	1			<u> </u>				2.5	-	-		
	C3 5	_	RDA	1	U-T		CS C L DACC CG C ALVADO									
	Cy	CY CONR CIO CORPLU  CS CORTR														
19 55	(5.	HANG THE REAL PROPERTY.	OE J	R	MA											
	24.1	C. (198)	1	Č.	. Tuto	0						al base				
	10.00			351		-50		Sec.	-		-	-	-			



Date: / / Page No.

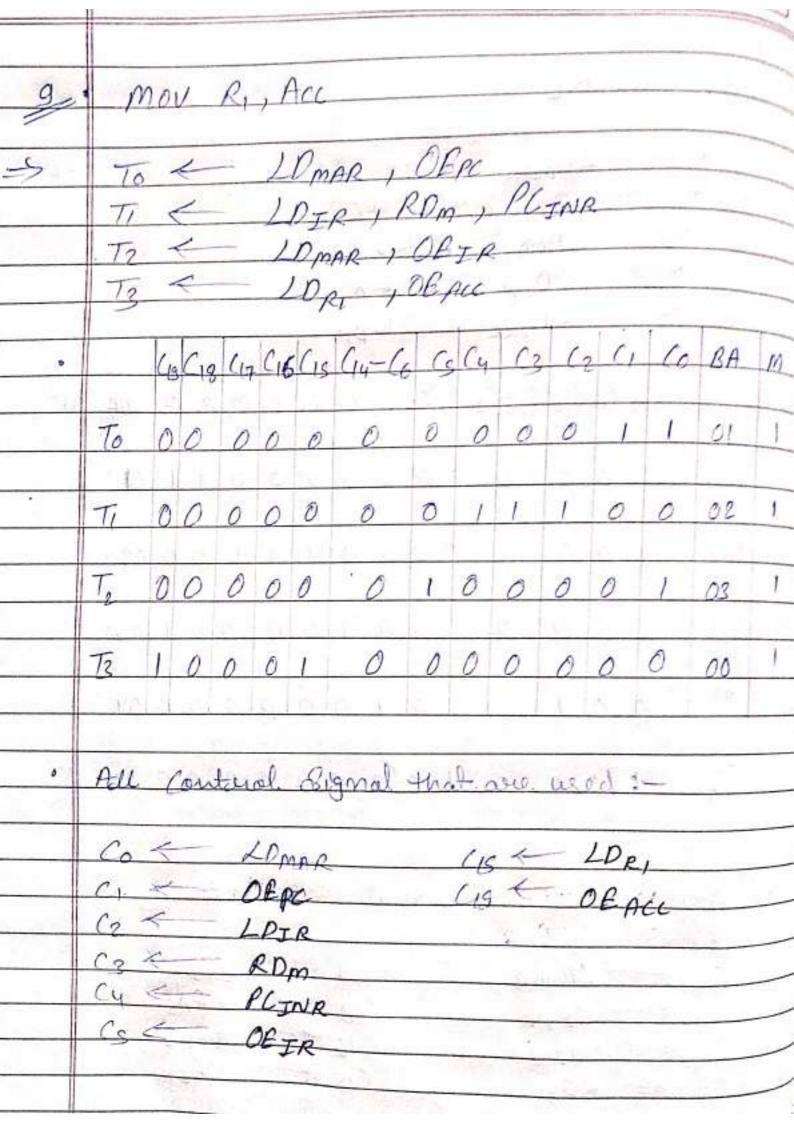
5: MOV RIR2  TO LDMAR, DEPE TI LDJR, RDM, PCTNR  TI LDJR, RDM, PCTNR  TI LDJR, OF JR  TO DO DO DO DO DO DO DO DO DO  TI, DO  TI, DO  TI, DO  TI, DO  ALL Control Signals that wed  CO LDMAR CIS LDJR  CI CIS LDJR  CI CIS RDM  CY PCJNR  CS OF JR  CS OF JR  CS OF JR  CS OF JR								_		-5		1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	· mov	RLR	2								4,11	
. C16 (15 C14-C6 (5 (4 (3 (2 (, C0 BA M  To 0 0 0 0 0 0 0 1 1 01 1  T, 0 0 0 0 1 1 1 0 0 0 0 1  T, 0 0 0 0 1 0 0 0 0 1 03 1  T3 1 1 0 0 0 0 0 0 0 0 0 0 1  ALL Control Signals that weed  Co 1 Dmar C15 1 DR1  C1 C2 RDm  C3 RDm  C4 PCINR	1	-	- 1	DIR	,	RD1 OE	n /	, PC	TN	R		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	13	100	,			-		10	2 (	, Co	BA	m
T <sub>2</sub> D O O 1 O O O O O O O O O O O O O O O O	To			-						1		1
T3 1 1 0 0 0 0 0 0 0 0 0 0 1  ALL Control Signals that weed  Co   Co   Co   Co   Co   Co   Co   Co	Т,	0	0	0	0	1	1	1	0	D	02	1
ALL Control Signals that used  Co   LDMAR  CIS   IDRI  CIS   OF PC  CIS   OF PC  CIS   OF ROM  CY   PCINE	Te	D	0	0	1	0	0	0	0	1	03	1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	T <sub>3</sub>	1 =	L	0	0	0	0	0	0	0	00	I
	Co <	- 1.0 - 0E - 1.0 - 2.0 - R.D	MAR PC IR M		tha	CIS	3 <					
		To \ T1 \ T2 \ T3 \  A1 L Co Co \ C	To Contend  Co C	To C 1  T1 C 2  T2 C 2  T3 C C C C C C C C C C C C C C C C C C C	To LD JR  T1 LD JR  T2 LD JR  T2 LD R,  C16 C15 C14-C6  T0 0 0  T1 0 0 0  T1 0 0 0  T2 0 0 0  T3 1 1 0  ALL Control Signals  C0 LD JR  C1 C2 LD JR  C2 RD M  C4 PC JNR	To LDMAR;  T1	To L DMAR, DE  T1 LDJR, RD1  T2 LDR, OE  C16 (15 C14-C6 (5 C4  T0 0 0 0 0  T1 0 0 0 0  T2 1 1 0 0 0  T3 1 1 0 0 0  T4 Control Signals that we  C0 LDJR  C1 C2 LDJR  C3 RDM  C4 PCJNR	To LDMAR, DEPE T1 LDJR, RDM,  T2 LDMAR, DFJR  T3 LDR, OF R2  C16 (15 C14-C6 (5 (4 (3)  T0 0 0 0 0 0  T1 0 0 0 0 1 1  T2 0 0 0 0 0 0  T3 1 1 0 0 0 0  T3 1 1 0 0 0 0  T4 Control Signals that weed  C0 LDMAR C15 C  C1 C2 RDM  C3 RDM  C4 PCJNR	To LDMAR, DEPE T1 — LDJR, RDM, PC T2 — LDMAR, OF JR T3 — LDR, OF R2 C16 (15 C14-C6 (5 (4 (3 ( T0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	To LD MAR, DEPE T, LD JR, RDM, PCTN T2 LD MAR, DE R2 13 LD R, DE R2 10 0 0 0 0 0 0 0 0 0 1 T, 0 0 0 0 0 0 0 0 0 T2 0 0 0 0 0 0 0 0 0 T2 0 0 0 0 0 0 0 0 0 T3 1 1 0 0 0 0 0 0 0 T4 Control Signals that used Co LD MAR C18 LD JR C1 C2 LD JR C2 RDM C4 PCJNR	To LDMPR, DEPE T, LDJR, RDM, PCTNR T2 LDMPR, OF R2 C16 (15 C14-C6 (5 (4 (3 (2 (, C0 TO O O O O O O O O O O O T1 D O O O O O O O O T2 D O O O O O O O O T3 I I O O O O O O O ALL Control Signals that weed C0 LDMPR C15 LDTR C1 C2 LDJR C2 C2 MPM C1 C2 CB COERS C2 CB COERS C2 CB COERS C3 CB COERS C4 CB CATARR	To LD MAR, DEPE  T1 LD JR, RDM, PCJNR  T2 LD R, OF R2  C16 C15 C14-C6 C5 C4 C3 C2 C, C0 BA  T0 0 0 0 0 0 0 0 1 1 01  T1, 0 0 0 0 1 1 1 0 0 02  T2 D 0 0 1 0 0 0 0 0 0 0 0 0  ALL Control Signals that week  C0 LD MAR C15 LD R  C16 C5 LD TR  C2 RDM  C4 PCJNR

										P	nge N	0.	
	mov	Re	RI			10-11							
·	To Ti T2 T3	444		10	IR MAR	1 R	DM DM DE J OER	, PC	IN	R			
,		C12	(1 <del>-</del> (	8 C	ı Ce	C	3(	4 (2	C	2 Cı	Co	BA	m
	To	0	0	0	0	0	0	0	0	1	1	01	1
	Ti	0	0	0	0	0	1	L	1	0	0	02	1
	T <sub>2</sub>	0	0	0	0	1	0	0	0	0	1	03	1
	T3	1	0	1	0	0	0	0	0	0	0	00	-1
0	Co C1 C2 C3 C4	(c) V V V V V V V V V V V V V V V V V V V	ntene	LO DE LI RI PC	mar 2 PC JR JN JN	2	nat	C7	4			2	
	100												

Date:

					160										
7	mov	ACC	, 6	1								THE		_	
رج	• To	<u> </u>	List Control	21	2 m	n R	-/	01	PE	0.	20,000				
	Ti	$\leftarrow$	-		Dy	R	1	RD,	m-)	PC	TNR-			_	
	T2	<del></del>							IR						
	T3	<u></u>	_	1	Dp	R-	1	OF	e-						
	14	(	-		Dp	cc	-)	OE	DR						
		Cu	3 G	ig C	167	Co	4	( e <sub>1</sub>	(2	C2	Cı	Co	BA	M	
1	10	1	-			-			-			-		+	
	To	0	1	00	0	0	0	0	0	0		1	01	!	
	<b>6</b>		+	-	-	-	_				0	0	02	+	
	TI	0	(	00	0	0	0	-	,	-	U	0	00	<u>'</u>	
	TO	-	+	2 0	6	0	,	0	0	0	0	1	03	1	
	T2	0		00	0	0		Ç.	3				03		
	T <sub>3</sub>	0	0	0	1	1	0	0	0	0	0	0	04	1	
	Ty	U. 13	0	1.	0	0	0	0	0	0	0	0	00	ĘĴ	
			700	1	à				o. n	1		-	1		
0	All	Conto	wel	8,	gn	al	41	nat	aore	ربين	d:	J-			
5107	Co <		10	MA	P				C		_	LOPI			
-	CI <	CI < OFR C7 CFR													
	C2 <	Co 10 TO CO 10ACC													
	C3 <	C3 C4 RPM C18 OF PR													
	C4 <					-									
	Cs <	10	01	€ I	R		- 10		region.					_	
			-	-	-	-		200							

Br. MOV ACC RE LOMAR, OFFIC LDIR, ROM, PCINR LDMAR 1 OFIR LOPE , OFFE LOACE , OEPR C18 47 C16 C16-C3 C8 C7 C6 C5 C4 C3 C2 C1 C0, BA M 1000100 All Contral Signal that are used: CG - LPPR Co - LOMAR CI & OFPE CIG = CER C2 - LOIR C18 - OEPR C2 E RDM Cy - PC INR CS C OFTR



Page No.

100 MOV RE ACC

To 1 DMAR, OFF

TI < LDIR , RDM , PCINR

TZ - IDMAR , OFTR

To LDRL , OFACE

49	CIB	C17	C16-6	(s	(4	(3	Q	G	6	BA	m
0	0	0	0	0	0	0	0	1	1	01	ı
0	0	0	0	0	-		I	0	0	02	1
0	0	0	0	t	0	0	0	0	J	03	1
1	0	1	0	0	0	0	0	0	0	00	1
	0	00	000	0000	00000	000000	00000000	000000000	000000000	000000011	000001100001

· All Conteral Signals that are used:-

CO CIT LORE

CI CI

CY = PCINR

CS E DETR

		Winds	F)										l	Page	No.		111/2008
		nov	AC						-	,							11 1
	7	-			10	De	PAR	R	Do	E.	IR IR	-	NR.				
(1	Dia Let	G9-G	4 (13	(12-4)	6	Cg	C7	6	(s	(4	Cz	12	Cı	60	BA	M	
	To	0	0	0	0	0	0	0	0	0	0	0	ı	1	01	1	
1	7, 30	0.	0	0	0	0	0	0	0	1	1	1	0	0	02	1	
	T <sub>2</sub>	0	0	0	0	0	0	0		0	0	0	0		03	1	
	T3	D	1	0	0	1	0	0	0	0	0	0	0	0	00	1	
	Co C1 C2 C3 C9	Con	1010	DEPE DEPE DEPE RDM PCEN	R	nal	+n	nat	a'	re.	USe	d:	-	LDAC Emi	18		
	Cs	_		OF	R		35500				et auto					_	1

											Pa	gc No.	//
13 1	mv										L		
=>.	To T1 T2 T3	<del>\</del>		10	nar TR-1- nar Ri	RO	EI	PCJ	NR				
•	SATE ELEM	Czo	(19-1	Cis	G4-C6	Cs	CH	Cz	Cz	C	6	BA	M
	To	0	0	0	0	0	0	0	0	1	1	01	1
	Ti	0	0	0	0	0	1	1	1	0	ò	02	1
	5_	Ò	0	0	0	1_	0	0	0	0	1	03	)
	<u>T</u> 2	21 1	0	1	0	0	0	0	0	0	0	00	1
	All Co & C2 & C3		DEPE DEPE DEPE PLIN	AR.	gnal	46	nat a	ore -	use - T	al:	-	Act Co C	