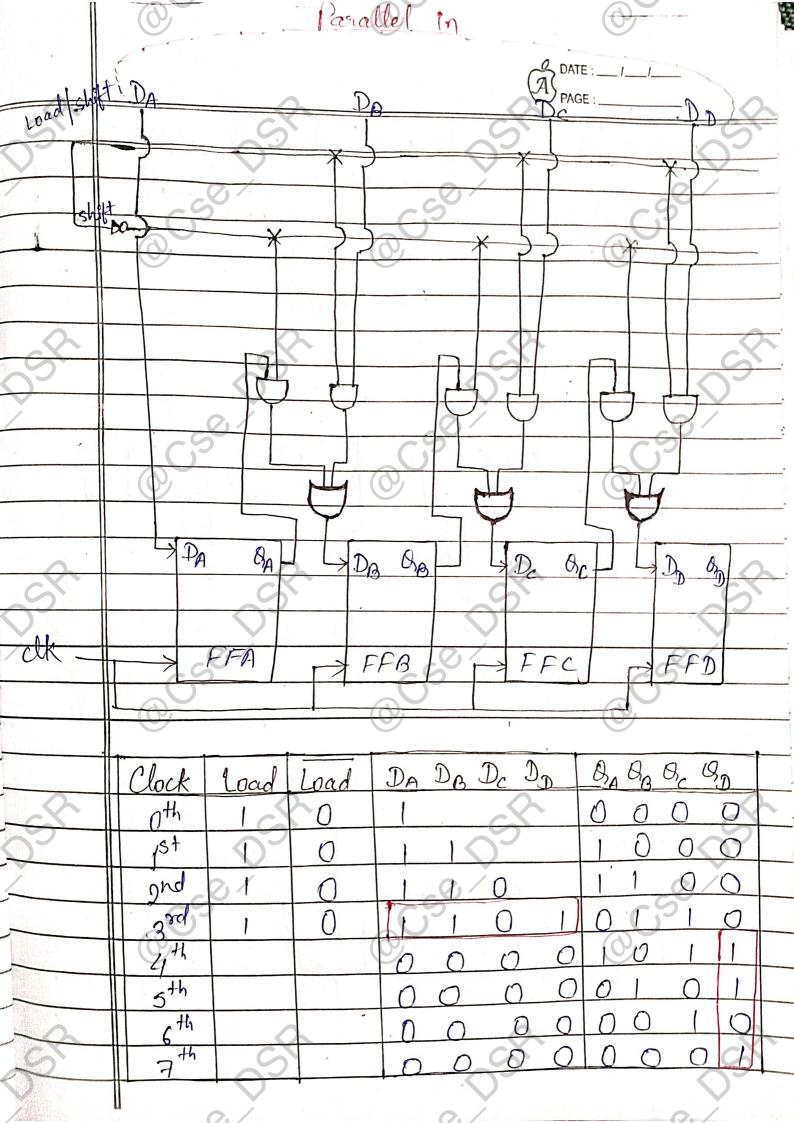
UNIT-05 REGISTERS * Register: Repister is one of the small seat of data holding place, that are part of the computer processor or computer memory. A register may hold an instruction, a storage address or any kind of data. It holds the binary data. Register is a data storage device that are more sophisticated than latch. A register is a group of binary cells suitable for holding binary information. * Shift Register: - A repister that is used to assemble and store information arriving from a serial source called shift nepister. Each flip-flop of shift register is connected to the output of the previous Hip-Hop and common clock pulse is applied to the all flip-flop. There are four types of shift register? ii) Serial in Parallel but (31PO) iii) Parallel in Parallel out (PIPO) iv) Parallel in Serial out (P130)

			Ć	2 DATE :// } PAGE :	
	C.P.				
11)	SIPO shift x	enister:	In this to	pe of negit	5708
	- S. T. G.	input	data 1.s	applied sen	ially
	and O/P is	connected	parallely.	CS	
		Potrati	0// 0	(0)	
scala		D 100	Oc Do	82	
clock	Da Ba				
C WOO N	FFALFA	FBJ F	-610711		9
	0		2/	60/	
	000	C		Co	
Eg:-	Assume 1011	data to be	stored a	nd transfer	
8			i.		£ .
	Clock Dat	a(1011) B.		Ro	2
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	1	0 9	0 0	0	
	38d			0	With the second
	4 th (0 1	1	
			Parallel 0/	P	
				A 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-0-
000	PISO shift nep	ister: - Ir	PISO sh	if news ton	
		IP	is applied	L parollely	,
	and DIP is -	taken seri	ally.		
			J		
					<u>A</u>



0			DATE:/				
	0100	1 2 1.01	On shift no	nister.			
) iy)	PIPO shift regis	ter - m PI	as light of	Mely			
	PIPO shift register: - In PIPO shift register I/P is applied parallely and O/P is taken parallely. This is also called "Buffer Register".						
		Panallel I/P	^				
5				C			
0	DA 1	$\mathcal{D}_{\mathcal{B}}$, <u>D</u>				
	-co/						
	DA BA	DB BB Dc	Oz B	80			
	clack FFA		FC FF	D			
-	9						
CO		5	5	10-			
0		0-	1				
/	O _A	Sign	bre	(J)			
14	Parallel of P						
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0	Clock Data	(1011) BA	OB GC GD				
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	nd	0	0 0 0	X			
Name of the last	11 200	0	00	-			
in an	38d 1 1	000	0				
	1 7 0 0	0 0	0 1 1)				
			^	118			
	25,			5			
	C	0./					

OCSE DSP O, Cse Psp. O, CSE PSR CS P DATE INTERPRETATION OF THE PROPERTY OF THE PRO Bidirectional shift register are the storage clevice capable of shifting the data either right or loft depending on the mode relacted. O,CSO DSP O, CSE DSP O, CSE / SPA OSP SP SP