Brajapati Yash. P. 20162121023 (BDA) Orta: / / Page No. **1** Name :- Brajapati Yash. P.

Subject! Computer Organisation (2CSE205)

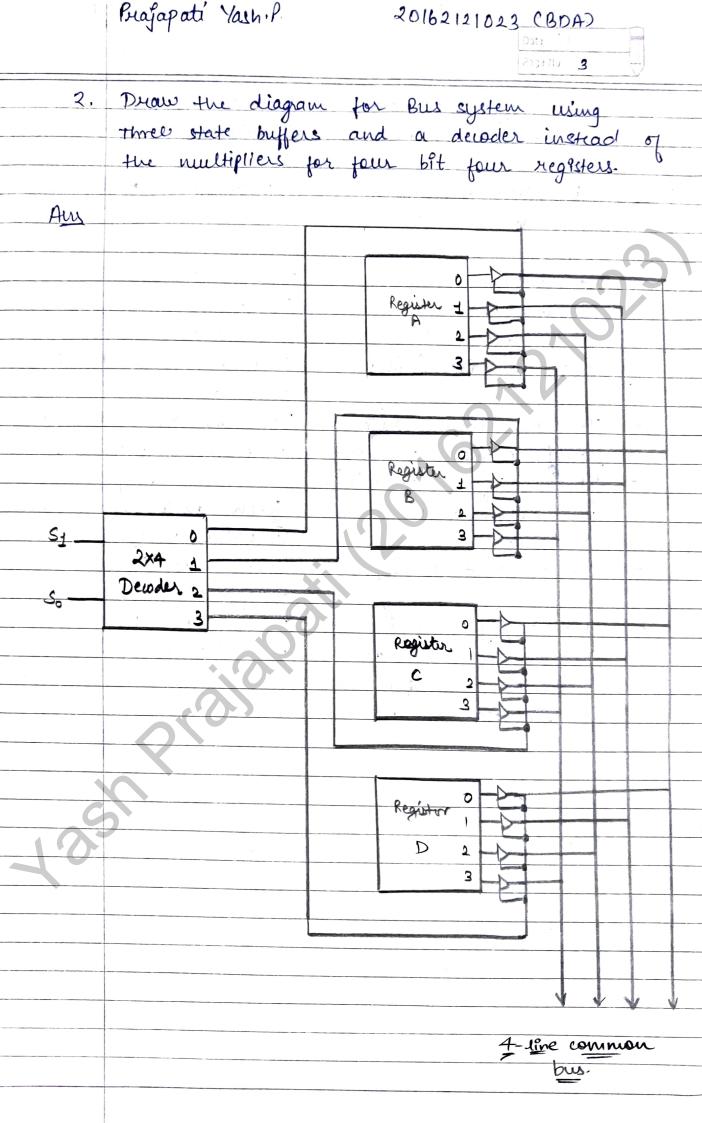
Semester:- 2 Assignment: - Q1

Brogapati Yash.P.

2016 2 121023 CBDA)

	`		est i e e espaços perior comprese dell'approvement l'entre e mission	Faction 2
1.	Give difference	between	Von	Neumany '
	Architecture a	f Harvard.	archi	decture.
A				

**	LONG TO SEE AND STREET OF	
An	Von Neumann Arch.	Harvated Arch,
_	It requires less	It requires
	space.	niore space.
	It requires less	niore space. It requires more
	handware.	hardware
	It requires only one	It requires separate
and the second s	Data & address bus.	Data & address bus for
,		each memory.
_	It has common data	It was separate data
	and program memory	& program memory.
-	It can fetch only lany	It can properly
	one either data or	Jeten dater 4 Instructions
	Instruction	simultaneously.
_	control unit is simple.	Control unit 9s
		complex.
_	The empty space in	Memony size for data
	program memory can	or Instructions can be
	not be used for data	resized or interchanged.
	or for and vice versa	



	biajapati VashiPi 20162121023 CBDA) Data: // Page No. 4
(4)	The 8-bft negisters AR, BR, CR and DR initially have foll values:
	AR = 1111 0010
	BR = 1111 1111
	CR = 10111001
	DR = 1110 1010
	Determène the 8 bêt values in each rogister
2	after execution of fall, sequence of niscro-op
4	AR + AR + BR Add BR to AR
	CRF CRADA, BRF BR+1 AND PRIOCE, increment BR
33	AR F AR - CR Subtract CR from AR
Som	(a) AR ←AR+BR
	AR 11110010
	BR 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	AR 11 110001
	:, AR = 1110001
	(b) CR ← CR ∧ DR, BR ← BR +1
	CR -9 10111001
10	DR -> 11101010
	CR -> 10101000
	BR → \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	DN '
1.1	BRE 000000

	Biographi Yash P.	20162121023 (BDA)
		Date. 17 1
	(C) AR - AR - CR	
	AB < 1111000	
	CR = 10101000	
10	0 100100	
Solh	AR -) 01001001	
	BR -> 00000000	or the state of th
	CR -> 10101000	
	DR -9 11101010	
· (^	0. 30	
5.	starting from an	initial value of R= 10011011,
	determine the	equence of binger values
	un register k o	frer a logic shift-right,
	land lage al alive	air aular shift left, followed
	by logical swip.	-left.
Corn	R= 10011011	and the factor of the second
	TO THE CA	
	After logical shift	- sight
	R= 01001101	
	A11 0	
	After circular shi	ft - left
	R= 10011010	
	1991/910	
40	After logical shift -	left
	R= 00110100	
		i in
00	The sequence of b	ingry values in register R
	after all operation	inory values in register R