





Test: CAT-I/CAT-II/Mid-Term

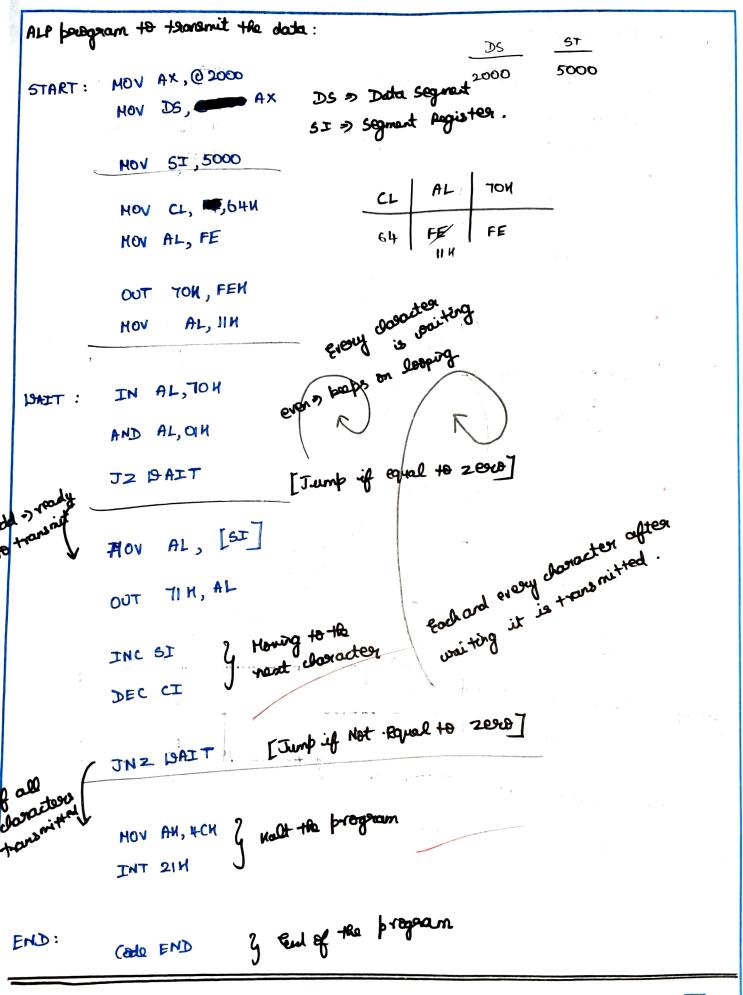
Register No.: IRIT DOO 20 Course Code: CST 2006 Class NBR: VL2021 220502134

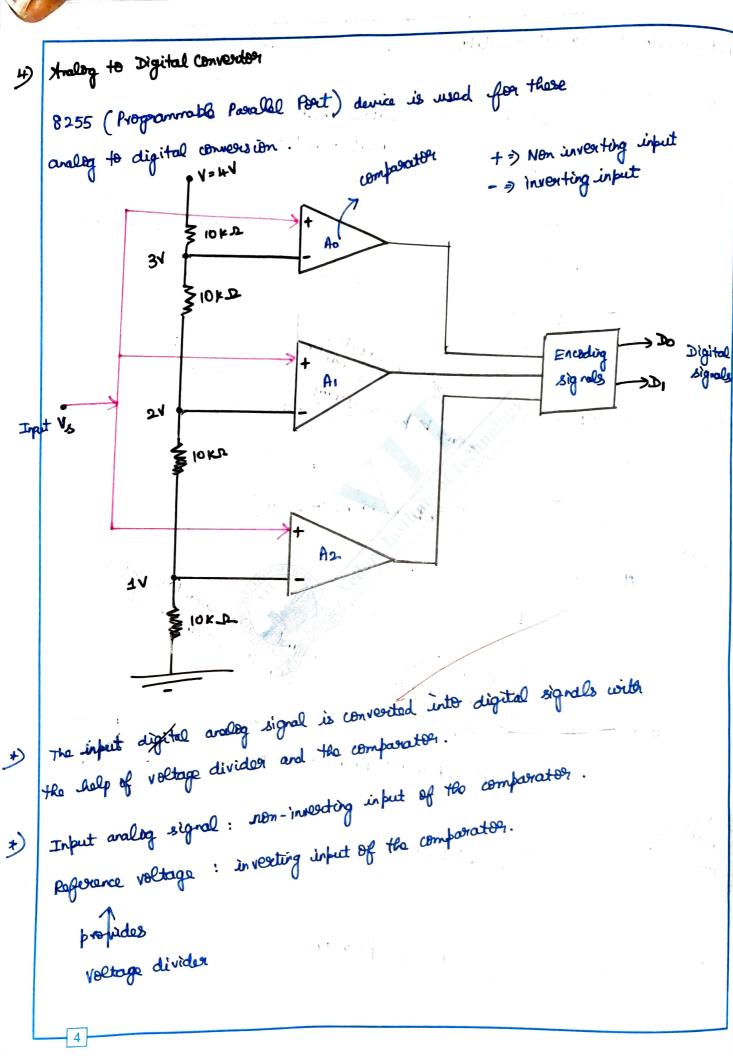
Student's Name: Mr/Ms. PRASMANTH'S Programme: Lock Scales. School: Scope Slot: F1. Session: FN/AN/EVN A-DUL. Signature of the Student							Course Title: HICROPROCESSOR AND INTERFACING Faculty Name: Prof.: Nr. P Nagash							FACING
Q No.	Mai	rks	Q No-	Mai	rks	Q No.	Mai	rks	Q No.	Mar	ks	Q No.	Mai	rks
1.	09		9			1,7	19 m		25			33		
2	28		10			18			26		-j-	34		
3	8		11		, <u>.</u>	19			27			35		
4	08		12			20			28			36	,	
5	08		13	2		21			29		y	37		
6			14			22	-		30			38	1	
7		1:	15	all and		23	đ		31			39	1 1	
8		1	16			24			32		ą, ,	40		
Sub- Total	101		Sub- Total			Sub- Total			Sub- Total			Sub- Total		
Grand	d Total M						[Date:	or's Signa or's Nam					

B -> 66 8251 A [UART] C ->61 D -> 68 E->69 F >10 b transmitter string G1 ->41 N 372 Ly even passity enabled HICROPRO CESSOR エウな 丁一74 42 stop bits 2000 to 5000N K -> 15 L-> 16 b) 8 bit character largth H->77 N -> 78 Ly forequerey > 160 KNZ (77)10) Ly Bound grate ⇒ 10 k *) Bound note index: Band gate Band Rate *) SHOP buts stowing character: → 1/2 bit -> 2 bit 0 -> 5 bit Control word format D5 Do D4 D D Dz D_3 1 E D4 30 Even Parity I Had Parity

A > 65

2





Per og: input voltage is 3V. * It the incoming input voltage *) the superior voltage must be provided with adequate susistens of each 10 km *) The readility and speed of the composations are quick and the voltage Must be grounded persposely. which gives in put to in restrict input of the composition. gaped which seems table purpose. the voltage divides is the inglose and by ascept of this conversion.

operational amplifies with flood tack -> Digital to trading conversion. comparator & shallog to Digital conversion (i.e at Non-investing infact) 3V > 2V 3V >1V က ဇ > 3v × Ao > low As o Light A, = s high (inventing input) reference voltage than the samains high. amparater

8259 Programmable intercupt Controller: An interrupt is a stop signal passe signal which is saquested by Interrupt: the pessiphonal devices. These requests will not be sent immediately to the CPO; they will be seemed by intercrupt controllers and they only one there interoupt controller requests the CPO. Once the CPO grants => interount occurs *) CPU Not grant => NO intercrupt. 1 => lavel trip good O > edge triggered. ICP \mathcal{D}^{o} D D_2 D3 A $\mathfrak{D}^{\mathbf{r}}$ De Dz Ao SNGL ICH AD HT 1 45 A₆ 1=) interval of 4 bytes A5, A6, A7 1 > single mide 0 => interval of 8 by the 0 > cascaded mode intervupt signals. ICB2 D5 \mathcal{D}_{6} **D**4 DL D. Dz \mathcal{D}_{l} \mathcal{D}_{0} 77 **T6** T5 AID TH Aq AB 73

Mastex Meda

1		ا برا	De	Du	D ₃	D2	D ,	_ D ₀
Ao	D 4 57	56	55	SH	53	52	51	50

5, 30 (some Hodo) 5N=)1 (master Hado)

Some Made

LQ .		١	,	- 1	7	Da	D	D °
A _D	D *	26	D5	D4	<u>د</u> ر	D ₂	10-1	-
•	υ	0	0	0	0	ID2	I)	IDo

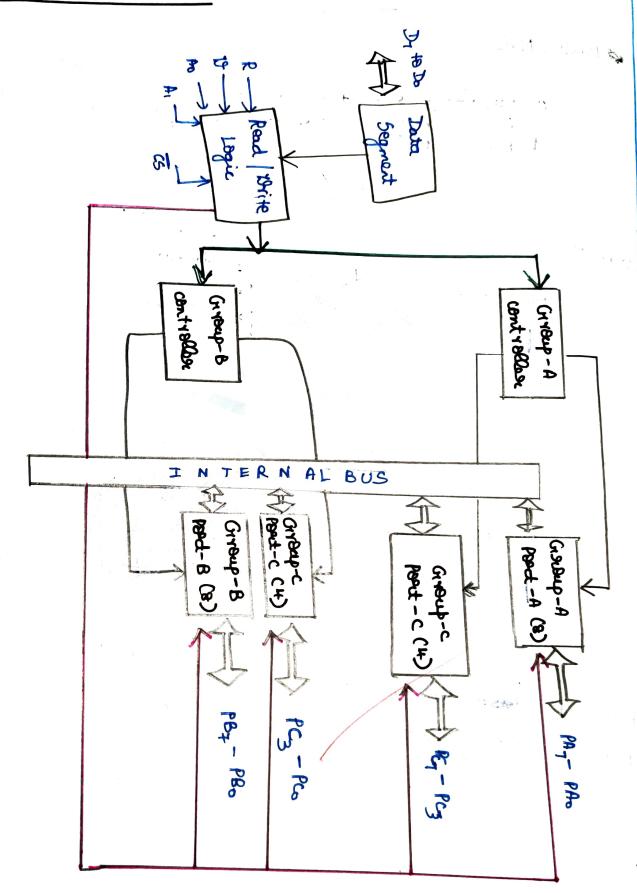
IC B4

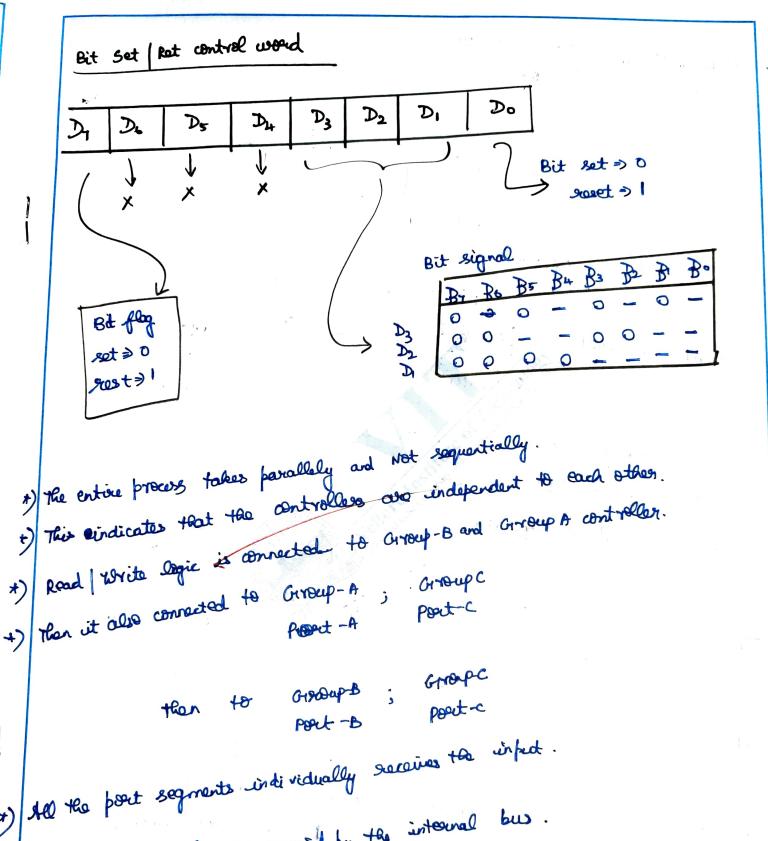
Ao	D ¥	Do	75	D 4	D ₃	D ₂	D,	Do
- 1	0	0	0	SPIN	BUF	MIS	ae O 1	MPH

BUF > 1 > None Made

BUF => 0 » Moster Mode.

-> 1=> How tear 0) slave.





These all the signals are avoise by the interval bus.

9

Ly freequence of the times -> 1.5 Mag 1) square wave of 30 ms.

Frequency -> Time porcied

$$T \ni \frac{1}{1} \Rightarrow \frac{1}{1.5 \times 10^{5}} \Rightarrow 0.66 \times 10^{-6} \text{ s}$$

Number of court
$$\Rightarrow \frac{3 \times 10^{-3}}{0.66 \times 10^{-6}} \Rightarrow 4.54 \times 10^{3} \Rightarrow 4.54 \times 10^{3}$$

. If the wait is for 3 ms; then the courter must go forom 4540 to 0.

Mosto operation Eg: Went=5 Clock WR Out Crate

Once DR receives 5; it decourrents the court form 5+00, the point where WR falls to 0; the sect is 1 (interoupt occurres) During the entire process Grate must be in high state. If gate goes to O; then YDR will Not decoment

4)

4)

*)

HODE-1 operation Clark ACT out=5 3 Gate court=14 Even than 1/2 signals in high and loverstate N-1 4 >> L N+1 (Ount =) 5 Odd +An N-1 signals in low state NH signals in high state ALP progream OUT 46M, AL sontrol woord register START: Courter -0 KO Y

START: MOV AL, 37 M

OUT 46M, AL

OUT 46M, AL

OUT 40M, OO

HOV AL, 15

HOV AL, 15

OUT 40M, 15

HOV AN, 4CM

INT 21

END: Odle End

11

HZK

444

Ourter -1

country -2

counter - 3 46 K

(control world re