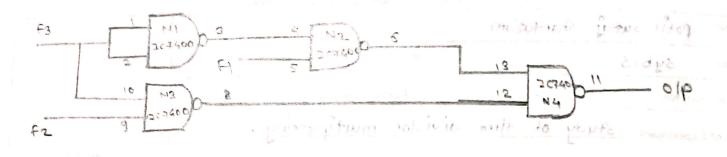
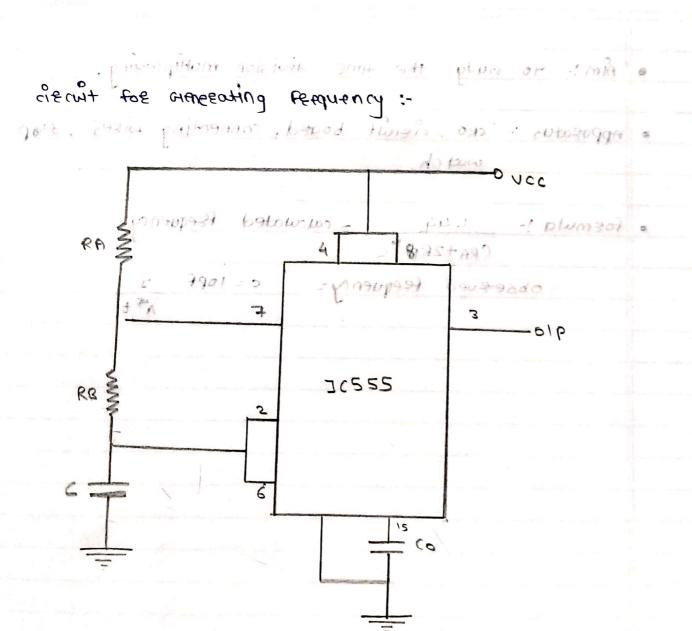
Dr. D. Y. Patil Unitech Society Dr. D. Y. Patil Science & Computer Science College, Akurdi, Pune - 411 044

DEPARTMENT OF ELECTRONICS

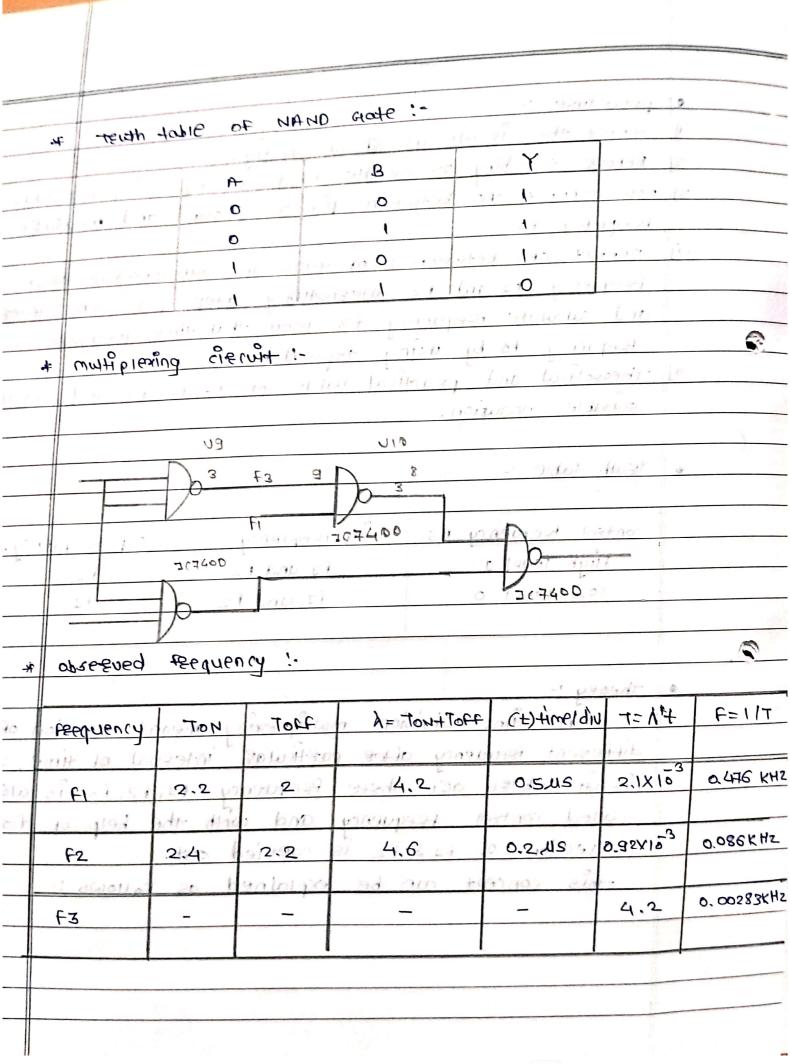
ne: Pati	1 sufaj shantafam	
ss: 3y		
eriment No.	: Performed Date : / /20	
of Experime	ent: study of time division mutiplexing.	REMARKS
•	Am: to study the time division multiple	wing.
	- in the second of the second of	Park This is a second
	apparatus: cro circuit board, connecting	got, 293/a
	watch.	
	formula: 1.44 = calculated Prequence	CY
	(004369) EC	
	opperend termench = c=106t -	<u>.</u>
	X	<u> </u>
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		*
	•	

ciecuit diagram time division multiplexing:





0	peoreduee :-	1 Okon INAW 10	Gldof Howar 1 4
_1	connect the circuit	as shown in Ag.	
2	Before switching ON	rainable fz, fz, f3 !	by using formula.
3]	now connect cro bet	ween pin 3 geou	and and measure
	FEEDURNY FI.	1 0	
4)	connect cro between	11 of 7400 and Gr	40 observe that
			particulae interval
	and concurate frequen	nry f3 from that	HIME WEASURE
	feequency 13 by us	ing stopwatch pri	FRIEDIGHTER &
8]	Throsofical and pract	fird volve of fz,	to the and weite
	surfable conclusion.		
		io .	
•	TEUTH 40016 :-		
	control Requency F3	"11 PERQUENCY	olp feedneriy.
	High level 1	fz and f2	£2
	10M 16ABI 0	fi and fz	t.T .
	(m)		
		e directed ;-	+ backasado *
	theory !-		
	The time divisi	on multipleasing me	ans selection of
	different requency a	the bastumas jute.	end of time In this
	cierut there are	these sectuency for	1, F2, F3 116 WSO
	called control feed	ruency and with the	ve help of t3
	selection of tal	fz is rappiled out	
	this concept can	be explained as	tallows !.
			811



controll off our	:- foe FI,	io kuban	
11 800 11 10 17	Jon = 5.5 Lott = 5,	osws: tood or	1
0.10	TENA+turner Long	To diver more us	\$
Defermine)	1=14,2 ×0.5 × 1073	Latorin of the	
	=12.1 × 10 3 11 1 503		
£1 =	1 . 0.476 KH	12.	
* * 'D	2.1×10-3	+ the H ready a	
	· W	result set lustages	
(PF L	€0€ £2 1000 11	El 610 114 4	
	Ton = 2.4 , Toff = 2.2 ,		
A (14) (1)	1= 2.442.2 = 4.6	o de proposti	100
	7 = X*F		
	= 4,6 x 0.2 x 10 3 81		
d + + 3	1 = 0.92 × 10-3, when	put pt + m &	
F2=	1 = 1.086	KHZ. Lappor 1d	
1	0.92×10-3 11/10 0	10 10 miles 1	7
		Mice set , 1 = 14	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	िह ६३,		
	7= 4.2		
	f3 = 1 = 0,2380 1	HZ	
	4.2 = 0.00283	S KHZ.	
sult :-			
	continued terquency	obsessed feaquence	J
£I.	0.476 KHZ	0.476 KH2	1.
F2	1.086 KHS	1.086 KHZ	
F3	0.00283 KHZ	0.00283 KHZ .	
	0,00203 KIIZ	0.00265 FIIZ .	

a k	conclusion:
	base studied tom (time division multiplexing).
₹.	In Tom each signal can occupy entree BW and channel
	it is alloted a small time slot. Hence mutiple signals
No.	are transmitted over channel turn by turn. i.e. signal FIFZ,
	F3. SHU 25 P 2 1 11
3.	where A and fz are signal requency and f3 is
	control feeguency.
4.	
	stable mode.
3-	Requency is decided by value of RA, RB & C
	f= 1.44 +*A = 1
	(RA+2RB)*C
6.	Henre by changing value of RAZ RBZ C REQUENCY can
	be changed. We should
7	when for a will pass.
4	when f3=0, A will pass.
4	when f3=0, A will pass.
4	when f3=0, A will pass. F1=1, F2 will pass.
4	when f3=0, A will pass. F1=1, F2 will pass.
4	when f3=0, A will pass. F1=1, F2 will pass.
4	when f3=0, A will pass. F1=1, F2 will pass.
4	when f3=0, f1 will pass. F1=1, F2 will pass.
4	when f3=0, A will pass. F1=1, F2 will pass.
4	when f3=0, A will pass. FI=1, F2 will pass.
4	when f3=0, A will pass. F1=1, F2 will pass.
4	when f3=0, A will pass. F1=1, F2 will pass. THE ARROWS STATE OF THE ARROWS AND
4	when f3=0, A will pass. FI=1, F2 will pass. FI=1,
7	when f3=0, A will pass. F1=1, F2 will pass. SHX 88 800 0 2.4
7	when $f_3 = 0$, f_1 will pass. FI = 1, f_2 will pass. SHY 88 80000 2.4

