	01 : 10 : 11/	
	Physics IB HW#4	
	16.39) freat = fa-fo	16.43) fusiale=392Hz
	a) f=446Hz	a) VA=05
	foisin= 446Hz or 43442	No = 355
	2f =]=	VL = 157
	if T7, f7 :. fusin= 446Hz)	fi= 344-185 (342Hz)
	: . fusta = 446Hz	f. = 375Hz
	b) 440Hz > 440Hz	P) (= 3446 + 123 (245 HS)
	: . TL , fl	fi=371Hz)
	Loosen	c) fort = f, -f2 = 375H2-3-71H2
	1 1	freat = 4Hz
	16,40) Mixed: f= nyL	
•	L=1.03n	16.45) was = 0.335
	1, = 41 = 4.12n	a) 7= 0.16m
	1, = 41 = 4,12n	fack = 1 Hz
	FLZ = 4 = 4,74m	Afant = 41
	V= 2443 00 = 11	fack = 1 Hz Neart = 1 Hz 0.16m = 0.373-V.I.L.L
	1c1 = 3449 = 83,5Hz	Vouck = 0.17=
	fiz = 81,13Hz	2) y Perk = 11/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/
-	(foest = 2,37Hz)	Nock = Try
	1642 201	76-16 = 0.5h
	16.42) Plant = 43 6) Plant = 43042 43042	II et Nilia
	2) (mil : 430H2	16.51)a) Higher pitch -> towards you
	7(ent = 0.707 n)	Lower pleh -> away from your Towards b) for = viver (fp)
	9) yerle = 1202	(Jourds)
	(Nench : 0.872m)	b) for = vtver (tp)
	of - vivil	for Viver for
	c) fr = 2442 (420H3)	Tree Viller A
	1f, = 486.77HZ)	TPZ - V + CGT
	d) (= 3000 (45000)	tp.= V voice !!
4	(, = 418.38 FIZ)	fp = V+Vcor fcar fp = V+Vcor fp fp = V+Vcor fp 1260Hz = 244-Vcor (1230Hz)
	110.00.00	1,02 (344-Ver) = 344+Voar
		2,024 vier = 8, 39 =
		Ver = 4,157

- t - 1+06 to	
c) for = 5-44 fp for = 544-414 (1200 Hz)	16.62) Flying lowerd 4911->f7
	fbz=1708Hz
fran = 1364, 33 Hz	for = Ux Umain (funit)
fpz = V+Voir (fcor)	final = V+Vb (fb)
fp2 = 344 + 114 (1264,37)	fig = July (full)
Fpz = 1484, 3 Hz)	from the
	$f_{b2} = \frac{1}{100} (f_{b1})$
16.58) f= ==	fi - v+vs
V= 174	1708H2= 344145 (1700 Hz)
T T-	1,0047 = (344+16)/(344-46)
1 12	345.62-1.004701=344+01
7 7 7 7 7 2 To	
m ¹³ owid	1.617= 2.00471
T,+Tz-M,g-n,g=0	V6 = 0, 8083
2T=0	<u> </u>
T, r, + m2 g r2 - T2 13 = 0	
ng=165N, ng= 185N	118
T_= 350N-Tz	in the state of th
(350N-72)(2)+185N(2)-T2(2)=0	
175N- = 72 + 46,25N - = 72 = 0	
$-T_2 = -221,250$	
T2= 221,25N	
T = 350N-221,75N = 128,75	N
H= 0.0051	
H= 0.00733 =	
V1= \(\frac{124.720}{200.0070} = 132.55	
V2= \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
V 2 500712 2113, 113	
f. = 88.33Hz	
12 = 15m = 115.82112	
1 frest = 27.49 HZ	
and a state of the second	
P. C. Carrier Shake	
No. of the second secon	