		f.
	Physics 1B HU #1	
	145) a) 6-7/01/2 A-18000 [U17] T=2TUTE	6
	T=== -10:0253000 1300= 77 42.002	
	T= 0.0694 sec (1.350c) 21.425kg	
	1271/ K	
11/2	14.15) x(t)= Acos(wt+0) k=992,82	
	×(7/4)=0 2543ec=27/425k3+x ×(7/4)=0 (2.54ec)2=42.5k3+x ×(0)=0	
	$\times (0) = 0$ $\left(\frac{2.96c}{73}\right)^2 = \frac{12.165}{912.65}$	
(a)	:.cos(\$)=1 [x=170ks]	
	0 = 0 or T	
	7070, V0=0 14.28) a) U=K	
	$\phi = 0$ $\frac{1}{2}k(x(t)) = \frac{1}{2}m(v(t)) \times$	
	x(t) = Acos (wt) = = = = = = = = = = = = = = = = = = =	
	$\frac{A}{z} = A\cos(\omega t)$ $\frac{\lambda}{z} = A\cos(\omega t)$ $\frac{\lambda}{z} = \frac{1}{z} k(x(t))^2$ $\frac{\lambda}{z} = \frac{1}{z} k(x(t))^2$	
	7 - 603(- 1)2	
	70,020 7,02	
0.5	We = 3	
	(1) (2/2)	
	$\cos(\frac{1}{4}wT) = 0$ $\frac{1}{2}(\frac{1}{2}mU^2h^2) = \frac{1}{2}(\frac{1}{2}U^2h^2)$	
	$\frac{\cos(\sqrt{4}MT)=0}{\sqrt{4}MT=\frac{\pi}{2}}$ $\frac{1}{\sqrt{4}}\frac{\sin^2 A^2}{\sqrt{4}}=\sqrt{(1)^2}$ $\frac{1}{\sqrt{4}}\frac{\sin^2 A^2}{\sqrt{4}}=\sqrt{(1)^2}$ $\frac{1}{\sqrt{4}}\frac{\sin^2 A^2}{\sqrt{4}}=\sqrt{(1)^2}$ $\frac{1}{\sqrt{4}}\frac{\sin^2 A^2}{\sqrt{4}}=\sqrt{(1)^2}$ $\frac{1}{\sqrt{4}}\frac{\sin^2 A^2}{\sqrt{4}}=\sqrt{(1)^2}$	
	ルニュー (v(t)= シェム) 2世 - コ	
	3ty - 1	
	2t= 5	
	t=====================================	
P1	$v(t) = -Aw \sin(wt+\phi)$ $t = \frac{1}{4}$	
	$2t = \frac{1}{5}$ $1 = \frac{1}{5}$	
47	W(I) = Wax = +Aursin (Iw)	
	V(=)= Wnex=+Ausin(=w) V(t)=-==wsin(=w) -==================================	
	$E = K + U \qquad U = \frac{1}{2} Exx^{2} \qquad e) Exota = \frac{1}{2} Exp^{2} $ $= \frac{1}{2} Munax X(U) \qquad U = \frac{1}{2} E(\frac{1}{2})^{2} $ $= \frac{1}{2} E(\frac{1}{2})^{2} \qquad = \frac{1}{2} E(\frac{1}{2})^{2} $	
	- Aurein (wt) = - Ausin (Tw)	
らって	e sin(vt)= = = sin(正) -> sin = U1525-6	
	wt====================================	
	wt=を 生= 生 tv:を Tv=Zi	
	1+= Y12T	

	to A	
	14.55) W=JE	T= F= Z.72Hz = 0.470s
	M = 362	7 - 7 - 2.52112 9 0.1303
Ø .	4 = 13.509 rad	14.62) x(1)= Acos(ut+4)
	>(+)= A cos (ut + p.)	$W = \frac{21}{T} = \frac{20}{0.260s}$
4	U(t) = - Ausin (ut+00)	N-7=0.2605
	0.200m = A (3) (13.509 (2) +) (-3.50 = -A (11.509 (2) +) ×	(3) (\$)=1
3	-3.505 =- A (13.509 12 t) X	φ=0
- 87	Ephl= U+K	x(t)= Acos (ut·)
	= 1 = = = = = = = = = = = = = = = = = =	= 0 10/5 = 0 0/35 (2) (21/1/(Ed) L)
	182.5 H AZ= 182.5 H (0,04n2) + 1,00/3 (12,25)	1 = 0.0749 sec
	= 19,55Nm	(1 3.5 19 (382)
	A= 0.327n	· ·
	Max a when at amplitude	
	a(t)=-Aw2cos(ut+00) = max=1/-1	
	a(t)mx = Au2	
	= 0.327m (182.5sec-2)	
The state of the s	= 59.75	
1,3,2	F=-kx -> at amplitude	
	Fmx = -kA = kA	
	= 365 m (0.327m)	
	=[119 N]	
	14.36) T= Frsing	
	= 4.21h(0.11m) sin90	
	= 0.463Nn	A STATE OF THE STA
	T= K0	
	0.463Nm= X(0,0588 rxx)	
	7 = 7.87 mm	
	U= JE	
	I= \frac{1}{2} nR2 = \frac{1}{2} (6.10kg) (0.11m)^2	
_	7.6750 Franc	
	I= 0,0369 kym² W= \\ \frac{7.67\frac{1}{10.000000000000000000000000000000000	
	17-14,6 sec	
	w=211f	
	f= 2.32Hz	
	1-2.36HZ	