

ASSIGNMENT: 03

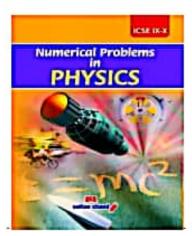
PHYSICS

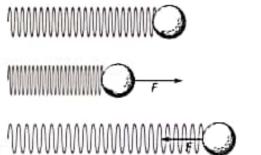
SUBMITTED BY

MUHAMMAD. SHERJEEL. AKHTAR 20P0101

SUBMITTED TO

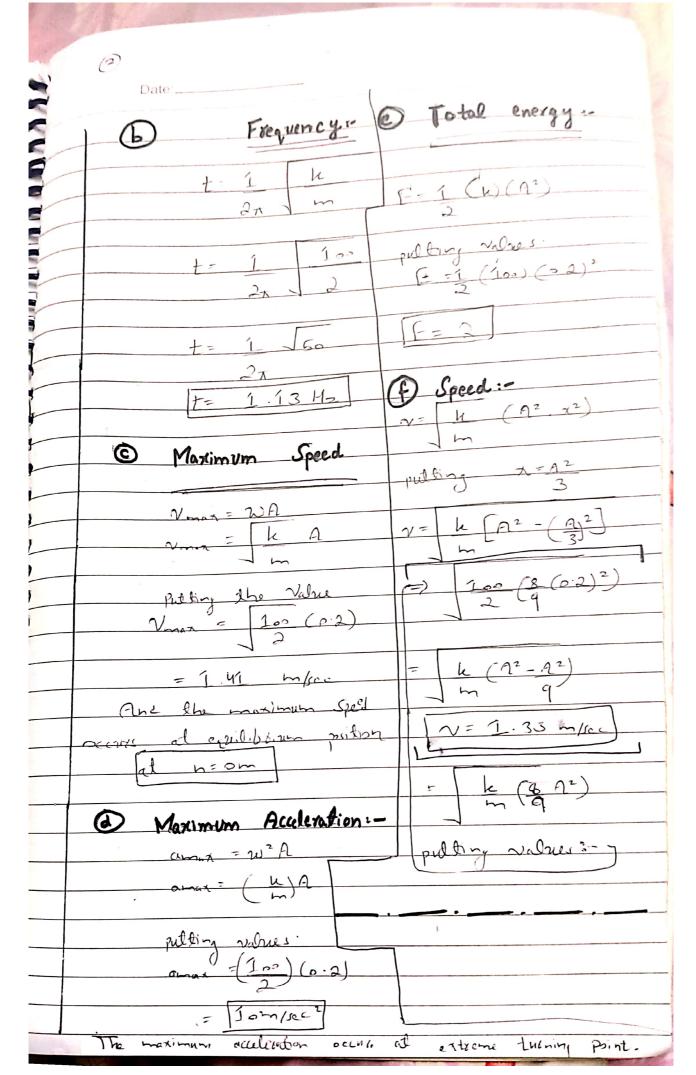
Honorable SIR. MUSTAFA. HAIDER

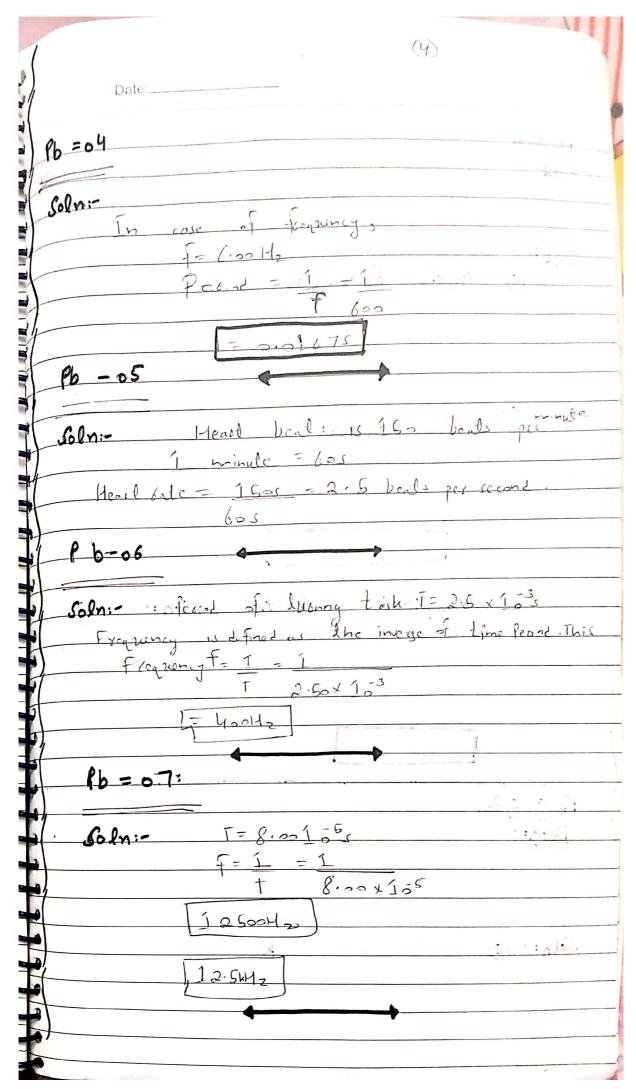


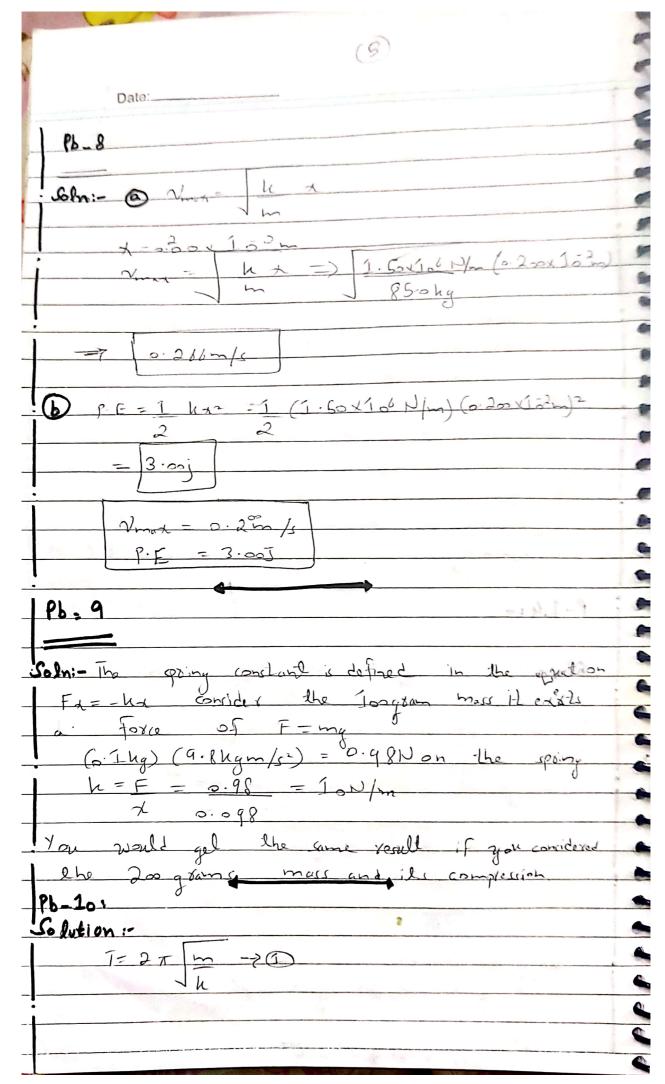


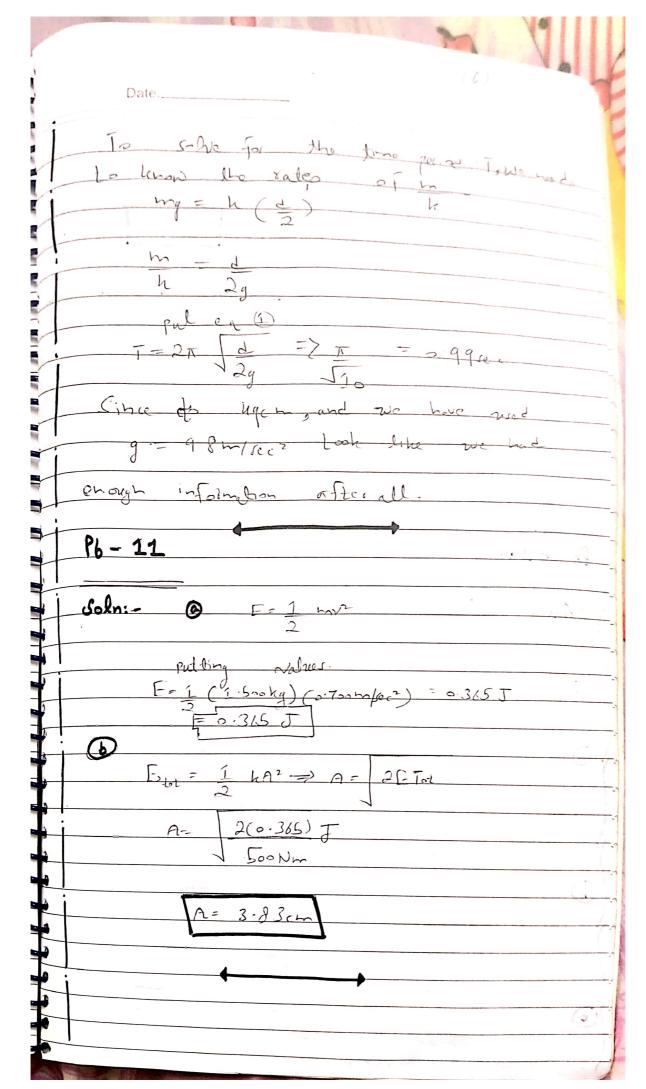
В

	and the same
Date:	
7 0 - 1	
$\frac{\rho_{b}=01}{\rho_{b}+\rho_{b}}$	
Mass = Solg	
and = 15m/cc2, don't = 3.5 m/sec2	
) (.1	-
A A Language S	-
	000
Vinax	-
520 = 4.295}	-
Soxing Constant:	
j = k	
$k = m\omega^2$	-
=> h = 9.92 12/m	
a solitude of the motion:	1
N2 max = 92W	
and - Aw2	
N2 = A	
amad	
n = 0.82m	
Pb = 02	
Data:- k = 20	
0.2	
F = 20N $k = 100 N/m$	-
0 = 0.7 m	-
Soln: @ Solve capation -100 k	4
where x is the amplibule A:	CCC
h = F	1
It justing the values	0
The pares	4
The state of the s	The second second



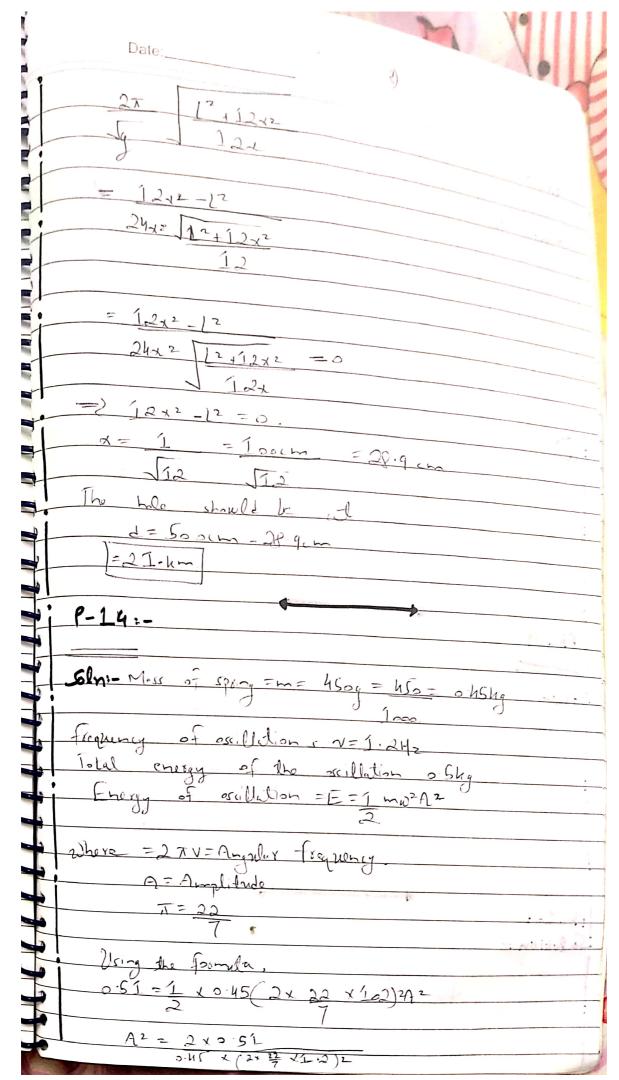


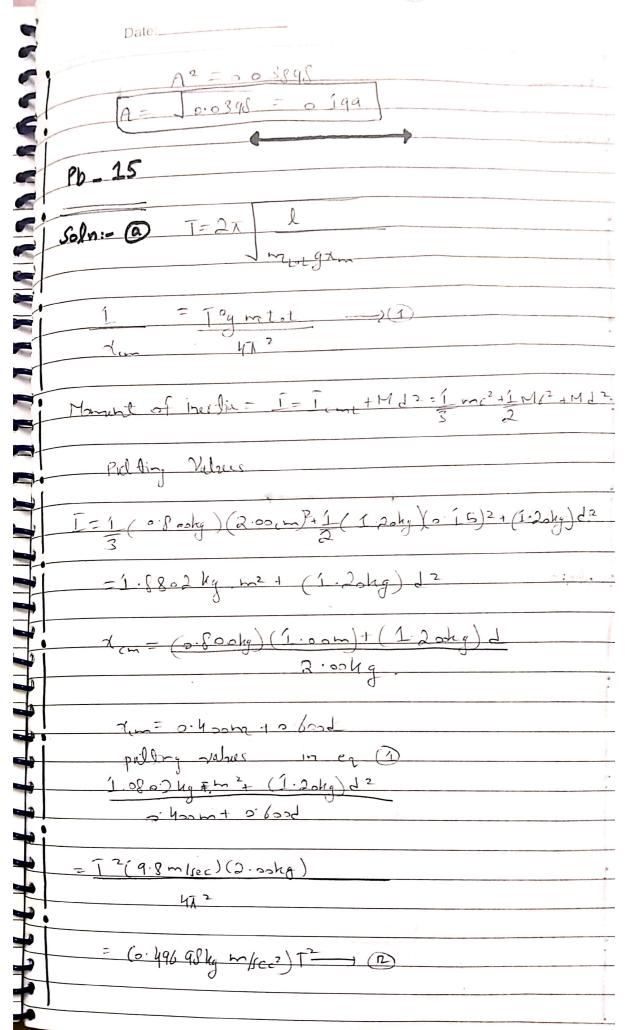


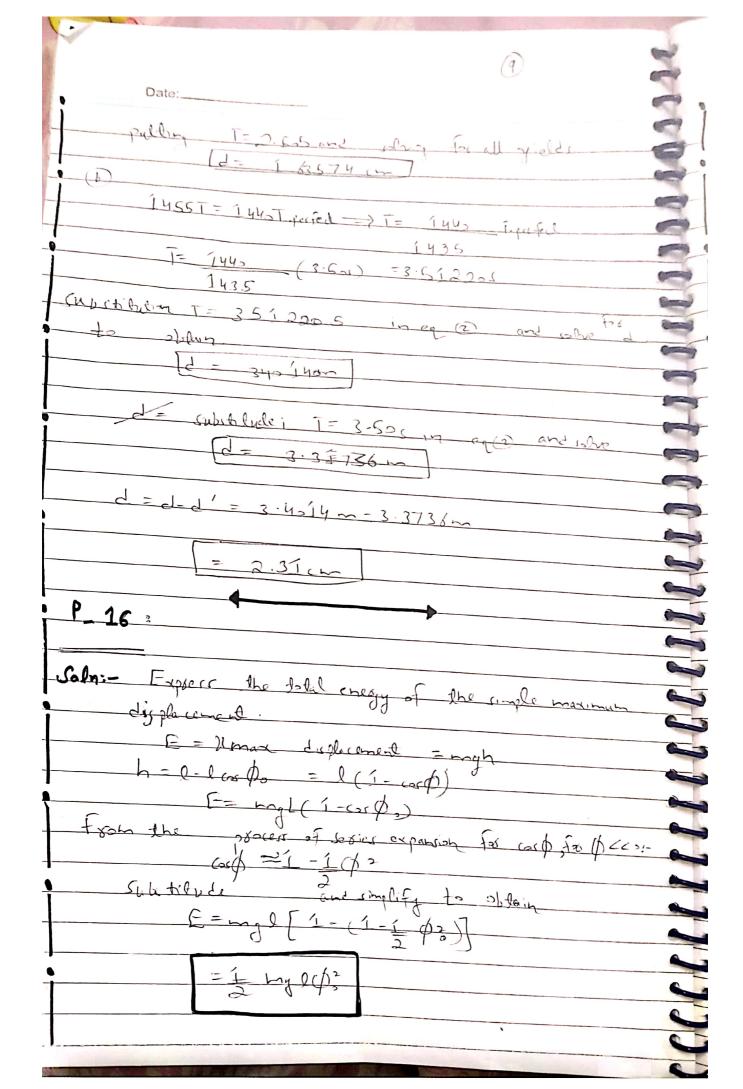




Date:	
Pb-12	
Soln:- F	=-1)
-101	2 2 2
- U.J.	= ma = h = - ma
sylve ve	X = - A a = amon Thus
h= -1	James - Manax
Edal	= 1 Mama x2 +1 mv2
	2 A 2
t to t	2 (3.00hg) (3.5 m/p.2) (0.080cm)
	=0.425
Pb- 13	
Solni- T	$=2\pi$ $=2\pi$
The second secon	MyA
= 5	= 1 mt ²
Expless	
matter 5-	the manual of inentia of the
Carife	Frau.
	Icm trage
-1	2 ml2 +mx2 put in (1)
T= 2x	12 mt 2 + mx 2
	J mgx
_	







Date:	
Solution 3	
@ mpg = has	
(mg t so (by)	$\frac{1}{2} = \frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right)$
h = mg	(0.3kg) (98m/sc2)
70	
7-Toquency of	aullation: = (5.88 N/m) =
f = w	6.88 M/m) = (6.88 M/m) =
~ //	2 %
F	34.2 -1.0Hz = F
	27
•	
TX willing from	- loved point to highest point
1	bexiod.
Γ= 1	- 1500 to lone from low to high
Ť	T=055
©	
n= Ac	e wt
_	Acoust - 22xt
Li-i my	$A = (2\pi)^2 (2\cdot 12m) \times 3 \text{ My}$ = 1.421
•	