_	Physics	
_		
	Question no7:-	
	Criven Data:	
	Distance between earth and	
	moon = r = 3.85x 108m	
	Radius of moon= == 1.74 x 106m	
	To find:	
	Ratio of spin and orbital	
	angular momentum = Ls =?	
	Lo	
	Solution:	
	The spin angular momentum	1_
	of the moon about its own axising	
	Li=I,W	
	L=2 mr3 w	
	5 5	
	As for moon (sphere) T = 2 mr2	
	Lo=Tow	
*	$L_0 = mr_0^2 W$	
	$L_{s} = \frac{2}{5} m r_{s}^{2} W$	
	Lo mr2W	
	$1 \leq \frac{2 \cdot r_s^2}{r_s^2}$	
	10 5 10 ²	-

	Putting Values, we got
Activities of the Control of	1 (-7 11.74)
and company to the second	Lo 5[3.85x18)2
Accessed to the second	L6 = 605 X1012
paradia paradia di sancia dalla	L. 7.37x10'7
	Ls = 8.2 x10-6
	Land To your Marine My to
	Question nob:-
-	Criven data :-
	S = 2.50m
	r=3.56x168m
	To land:
	0=1
-	Solutions
-	O. C=VO
-	175 3-10
_	$\delta = \frac{S}{I}$
	Putting Values, we get
	0 = 7.50
#	3.8x18
#-	TA = 6.6 x 10 rod
#	10 - 8, 9× 10 LOOK