

LGS GROUP OF COLLEGES A PROJECT OF LAHORE GRAMMAR SCHOOL

Name: Sarah Nadeem	Class: 11 - A	Pate: 18-11-2029
Subject: Physics	#5	Date: 18 Marks Obtained
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	Frank P. T. L	E V
QUESTION 1:-		E NOTTERUE
When a hoop	1	. D to Ingion
speed of sphere = y= 10	-94 Vara 21	V as E
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K.E = K.E++ K.E++		at asidnal
= 1 mv2 +1 1 w	-14. 900	+ W - I
$\frac{2}{1 \text{ my}^2 + 1} \left(\frac{2 \text{ mr}^2}{2} \right) \omega$, 2	PICE COMPANY
2 2 3	182 2 2 000	tam: I
$= \frac{1}{1} m(r\omega)^2$	-0	100 C = 1
2 5		6 C F
$= \frac{1 \text{ mv}^2 + 1 \text{ mv}^2}{2}$	A CONTRACTOR OF THE CONTRACTOR	<u> </u>
$= \frac{1}{5mv^2 + 2mv^2}$		UESTION 4:
lo l		Given Ontar
$k.E = \frac{7mv^2}{}$	1-2001/10	1=v=600g2
6	Female) = V
Potential energy = kinetic Mgh = 7 mv² lo	energy AAA	= y = 2 wilney
io		h 405 66
$\log h = 7x^2$: ba: 7 J
$\frac{\log h = 7y^2}{\sqrt{y^2} = \sqrt{\log h}}$	C. T. Soins	l art I
21_		
V = N 10/7 gh		

QUESTION 2:Prove that critical velocity is 7.91cms-1 Solve 9=9.8m2 R=6.4 > 10 m V = ~ 9.8 × 6.4 × 106 Weight of a ______ equal to g.

When a body is moving in the upward direction

a = g and weight = dobble so 2W. QUESTION 3:-Tension in rope is: T = W+F T = mg + mg T=mg+mg (a=g) T = 2mgW=mg 7 = 2W QUESTION 4:-Given DATA .speed=v=1.01 kms-1 v=1010ms-1 radius = r = 396400 km r = 390,400,000m (k=1000) 70 Find :- , ... Time Period = 7=?



