LGS GROUP OF COLLEGES A PROJECT OF LAHORE GRAMMAR SCHOOL	
Name: Shehla Ahmed Class: 11(B) Roll No	211
ABOD ABOD ABOD ABOD Marks Obta	The second secon
10000 6000 10000 6000 20000 6000 6000 6000 30000 6000 6000 6000	
3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Ans: P.E = K.E	
$mgh = \frac{1}{2}mv^2 + 1 Iw^2$	
$\frac{mgh = 1  m(\omega R)^2 + 1 \cdot 2  MR^2 \omega^2}{2 \cdot 5}$	
mgh = 1 R2 + 1 R2	
0 2 5	
$\frac{Mgh = \overline{R}}{10}$	
Dividing both sides by 7 R2	
Dividing both sides by $7R^2$ $V^2 = 10$ gh	
The contract of the second	
Taking square robts on both sides	
V = 10 gh	
N7 °	
QNO28 Prove 709 km/s	
g=U <sup>2</sup>	
JR	
JUZ=49R	
V= QR	

R=6.4 XI	06m g g = 9.8m152
N=12.8	XP.A XIDe
V= 7.0	FIRMS
Hence Dr	ned that critical velocity is
equal +0	7.9kmls.
	1
<b>600</b>	
Fins: Wh	en a elevator accelerates
Opward the	apparent weight of posson
inside the	elevator increases. It will be
Calculated	
• 1	R= mgtma
When it acc	relorates upwards with an equal
acceleration -	the approper weight will become
Tollawing	
K	= mg+mg
R	c= ame
R	l= aw
Hence prove	d.
(JN04: 0	juen :- U = 1.01 km/s
	0 = 390400km
	da. ~ ?
	day=?
S	
7	$3\pi8$
1=	STD.
	0
	= 2(3·14)(+·Ot)(390400)
	(1.01)
With the second second	1110 -1

QN058	: (Aur.:
T OU COLORS	,
T= 24h = 864 00 S R = 6400000m	
M of Porth = 5.9 k 1024/	
T= 2 1 (RH)3	(G
T= 2 1 (RHL)3	
86400 = 2m (1	8th)3
( (.6.	6 x(0") (5.97x1024)
=> (R+h)3 = 7.53	x 1025
R+h= 422260	410
	D-R = 42226910-
8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6400000
=) h= 35826910	) m
= 36000 km.	
GN06:	
S= 2.50m	
0=6.6×10-9×0	d
ν = ?	
S= 00	
V=S	
0	
3.50 -	3787 X108
6.6 x 10 =	2.10 1 100
P. P. X (0)	
70 0 0	
7 = 3.787×108nA	NS

