Name: Fatima Manzoos Class: 11th (A) Subject : PHYSICS (1) let the sphere starts from the top of inclined plane of height h and reaches the bottom with speed v. According to law of conservation of energy. PE at top = KET at bottom Mgh = 7 phv2 10 gh = 10 7v2 Taking 'T' on b.s. T/2 = Tigh V = 10 gh (6) Given: S = 2.50 m 0 = 6.6 x 109 m

to Iowo	Formula:  Ls = Is ws  Lo = Io wo	Required: Spin angular mom = 15 = ? Othertal angular mom Lo	Given: (7)	Required:    Formula:	Date:

1	r= [GMT2] 1/3	(5)	Henre Proved	V= 7.9 km/s	V= 7.9 X 103 m/s	V= 162.72 ×100	V= 19.8 × 6.4 × 106	V= 49R	(2)	5	LS = 8.2 X 10-6	- 8.17 X-6	= 0.0817 X 1012-16 = 0.0817 X 10	= 2x 1.74 x 1.74 x 10.16	P 21. 20.00	h	Lo Lowo	15 " SMS = SMS"	2	Is - 2 m/s	WS = W0 = W	Date:	
																			10				

		Date:	
	r = 42.3 x 106m r = R + h h = r - R h = 42.3 x 106m	G=6-673 X 10-11 Nm/1/49-2 M=6 X 1024 kg T=3-14  T=24hr = 86400 sec	