Practice Question Set For GCSE

Subject: Physics

Name of the Student:_ Max. Marks : 9 Marks

Paper-2 Topic: GCSE Triple Science_Space Physics (SDQ)

speed increases with centripetal force

accept positive correlation

(c)



Max. Marks: 9 Marks			Time: 9 Minutes
Mark Sch	nemes		
Q1.			
(a)	(i)	towards the centre of the circle accept inwards accept a correct description 'along the string' is insufficient	1
	(ii)	tension (in the string) accept pull of the string 'the string' is insufficient or weight (on the end of the string) 'the student' is insufficient 'turning action' is insufficient	1
(b)	(i)	each may (also) affect the speed accept results for speed	1
		so only one independent variable accept only one variable affects dependent variable 'fair test' is insufficient 'they are control variables' is insufficient	1
	(ii)	continuous both required	
		dependent	1
	(iii)	reduces (absolute) timing error (for one rotation) accept too fast to time one or increases / improves reliability / accuracy (for one rotation) ignore checking for anomalous results to work out an average is insufficient	1

(d) (i) gravitational pull (of the Earth) accept gravity

1

(ii) No

both parts required – however this may have been subsumed within the reason

geostationary orbits once every 24 hours

accept a correct comparative description

1

[9]