

Motion in the Universe

Mark Scheme 3

Level	IGCSE
Subject	Physics
Exam Board	Edexcel IGCSE
Module	Single Award (Paper 2P)
Topic	Astrophysics
Sub-Topic	Motion in the Universe
Booklet	Mark Scheme 3

Time Allowed: 9 minutes

Score: /7

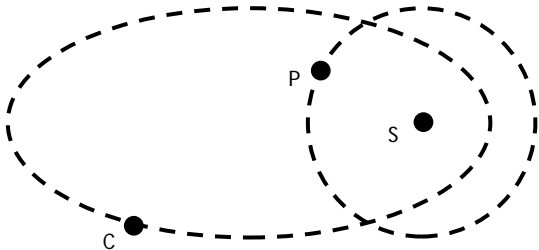
Percentage: /100

Grade Boundaries:

A*	A	B	C	D	E	U
>85%	775%	70%	60%	55%	50%	<50%

Question number	Answer	Accept	Reject	Marks
1 (a) (i)	C (planet);			1
(ii)	A (comet);			1
(b)	C (gravitational force);			1

Total 3 marks

Question number	Answer	Notes	Marks
2 (a)	Gravitational (force)	Allow (force of) gravity Gravitational pull Centripetal (force)	1
(b) (i)	All three labels correct;	 <p>C Comet P Planet S Sun</p>	1
	<p>(ii) Any two of - MP1 Idea that orbits cross/meet/intersect;</p> <p>MP2 Idea that comet and planet can be (at the same place) at the same time;</p> <p>MP3 Idea that orbit time periods are different;</p>		<p>Allow at the same place orbits overlap</p> <p>idea of orbiting at different speeds</p>

Total 4 marks