

Question number	Answer	Notes	Marks
1 (a)	Universe;  galaxy  Solar System;	allow named galaxy e.g. Milky Way	3
(b) (i)	A;  B is incorrect because it is further from the Sun and speed decreases with distance C is incorrect because it is further from the Sun and speed decreases with distance D is incorrect because it is further from the Sun and speed decreases with distance		1
(ii)	gravity;	allow gravitational force, gravitational pull reject gravitational potential, gravitational field strength, $g$	1
(c)	one mark for each correct line;; <b>Unit of time</b>  <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;">1 day</div> <div style="border: 1px solid black; padding: 2px;">1 year</div> </div> <div style="width: 50%;"> <div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;">the time for the Moon to orbit the Earth</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;">the time for the Earth to rotate once</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;">the time for the Sun to rotate once</div> <div style="border: 1px solid black; padding: 2px;">the time for the Earth to orbit the Sun</div> </div> </div>	-1 for each additional line <b>Definition</b>	2

Total for Question 1 = 7 marks