

Question number	Answer	Notes	Marks
1 (a)	<p>one mark for each correct line;</p> <div><div>Region</div><div><div>p</div><div>Q</div><div>R</div></div><div><div>Astronomical object</div><div><div>black hole</div><div>main sequence star</div><div>nebula</div><div>neutron star</div><div>red giant star</div><div>supernova</div><div>white dwarf star</div></div></div></div>	<p>reject mark if more than one line drawn from region</p>	3
(b)	<p>(a measure of) brightness;</p> <p>(of a star) at a {standard / fixed / same / set} distance;</p>	<p>allow power, luminosity, intensity</p> <p>ignore description of scale for idea of magnitude</p> <p>allow correct distance e.g. 10 parsecs/32(.6) light years</p> <p>ignore incorrect distance</p>	2

Total for Question 1 = 5 marks