

Question Number	Answer	Mark
14(a)	<p>The light/radiation (received) from the galaxies is red shifted Or Wavelength of light/radiation (received) from the galaxies was longer than expected (1)</p>	1
14(b)	<p>EITHER A straight line through the origin would be consistent with Hubble's expression (1) There is scatter about the line but the points are distributed evenly (1) So the expression may be valid (dependent upon MP2) (1) OR A straight line through the origin would be consistent with Hubble's expression (1) (But) there are outliers and these are far from the line Or (But) only some of the points are close to the line (1) So the expression may not be valid (dependent upon MP2) (1) OR The gradient of the line is equal to H_0 (1) There is scatter about the line, so the value of H_0 is uncertain (1) So the expression may not be valid (dependent upon MP2) (1)</p>	3
Total for question 14		4