

Question Number	Answer	Mark
<b>2(a)</b>	<ul style="list-style-type: none"> <li>• Circuit with a means of varying the p.d. across the bulb (e.g., variable resistor, variable power supply) (1)</li> <li>• Ammeter connected in series and voltmeter connect in parallel with the bulb (1)</li> </ul>	<b>2</b>
<b>2(b)</b>	<ul style="list-style-type: none"> <li>• Calculate power using <math>P = VI</math> (1)</li> <li>• Repeat experiment and calculate mean (1)</li> <li>• Vary p.d. to obtain at least five sets of data (1)</li> <li>• Describes method to control background light (1)</li> <li>• <b>Or</b> describes controlling distance from LDR to light source (1)</li> </ul>	<b>4</b>
<b>2(c)</b>	<ul style="list-style-type: none"> <li>• Resistance is negligible (compared to resistance of LDR) (1)</li> </ul>	<b>1</b>
	<b>Total for question 2</b>	<b>7</b>