Question number			Answer	Notes	Marks
3	(a)	(i)	voltmeter in parallel with component X;		1
		(ii)	light dependent resistor / LDR;		1
	(b)	(i)	evidence of use of graph; 1700 (ohms);	accept range 1650-1750 (ohms) allow full marks for 1700	2
		(ii)	<pre>evidence of use of voltage = current x resistance; substitution; evaluation; correct answer = 3.1 (V)</pre>	allow use of standard symbols e.g. V = I × R accept v, V, i , I, r, R allow ECF from (i)	3
		(iii)	e.g. V = IR V = 0.0018 × 1700 V = 3.06 (V) brightness decreases; plus ONE from: resistance (of circuit) increases;	reject reference to covering the lamp reducing the brightness of the lamp	2
			current in circuit decreases;		

(Total for Question 3 = 9 marks)