Question number			Answer	Notes	Marks
5	(a)	(i)	voltage = current × resistance;	allow in standard symbols and rearrangements e.g. V = I × R reject C, A for current	1
		(ii)	substitution; rearrangement; evaluation; unit; e.g. 4.80 = 0.42 × R (R =) 4.8 / 0.42 (R =) 11 ohms / Ω	-1 if rounding error e.g. 11.42 allow 11.4, 11.43, 11.42857…	4
	(b)	(i)	charge = current × time;	allow in standard symbols and rearrangements e.g. Q = I × t reject C for current and charge	1
		(ii)	dimensionally correct substitution; evaluation; e.g. (Q =) 0.42 × 45 (× 60) (Q =) 1100 (C)	can be scored even if time not converted to seconds allow 1130, 1134 (C) 18.9, 19 (C) gets 1 mark only	2
		(iii)	time (to charge fully) increases; current reduces; (because) resistance of cable has increased;	allow longer {wire / lead} has greater resistance	3

Total for question 5 = 11 marks