

Question number	Answer	Notes	Marks
2 (a)	any of: <ul style="list-style-type: none"> idea that circuit breaker can easily be reset; idea that circuit breaker turns off circuit more quickly; 	allow 'does not need to be replaced' cf fuse	1
(b) (i)	power = current \times voltage;	allow standard symbols and rearrangements e.g. $P = I \times V$ ignore C, c for current	1
(ii)	substitution; evaluation in W; evaluation in kW; e.g. power = 11×230 (power =) 2500 (W) (power =) 2.5 (kW)	allow 2530 W if candidate's intention is clear i.e. removal of 'k' or 2530 with W seen. allow 2.53 (kW)	3
(c)	any of: <ul style="list-style-type: none"> idea that there are likely to be other appliances on same circuit; fuse in heater may be rated at less than 16A; idea that heater may have a (thermal) safety cut-out; idea that thermostat turns off heater; 	ignore reference to an electric fault in the heater	1

Total for Question 2 = 6 marks