Question number	Answer	Accept	Reject	Marks
6 (a) (i)	voltage = current x resistance;	V = I x R Accept rearrangements		1
(ii)	Substitution and rearrangement (of correct equation); Answer given to at least 3 s.f.; e.g. 230 / 22 = 10.45 (A) (≈ 10 A)	Ignore calculations of voltage or resistance 10.5 A (= 10 A)		2
(b) (i)	Any two of: MP1 As a safety device / reduces danger /reduces hazards; MP2 In case of fault / short; MP3 Idea of excessive current; MP4 Prevents (wires or appliance) overheating/fire;	Ignore any reference to electric shock More than 13A		2 2
(ii)	MP1 Because total current (in motor and heater) is more than 2A; MP2 A 2 A fuse would blow / melt / would need to be replaced / circuit would be broken;	Accept reverse arguments		

Total 7 marks