Question number			Answer	Accept	Reject	Marks
7	(a)		В			1
	(b)	(i)	Word equation or $V_p I_p = V_s I_s$;	$V_p/V_s = I_s/I_p \text{ or } V_s/V_p$ = I_p/I_s or $I_1V_1 = I_2V_2$		1
		(ii)	Correct equation substituted OR rearranged; Answer; Vp/Vs = Is/Ip or Vs/Vp = Ip/Is e.g. 230 x 0.25 = 12 x I _s , so I _s = (230 x	Bald answer;;		2
			0.25) ÷ 12 = 4.8 (A)	4.79 (A) , 4.792 (A)		
	(c)		Two of MP1 Idea of energy / power lost; MP2 Idea of efficiency ≠ 100%; MP3 Idea of less available energy/power/voltage/current; MP4 Idea of resistance increasing (with temperature);			2
					Total	6