5	(a)	Define the <i>volt</i> .		
		[1		
	(b)	Fig. 5.1 shows a network of three resistors.		
		300Ω 55Ω 100Ω		
		Fig. 5.1		
		Calculate:		
		(i) the combined resistance of the two resistors connected in parallel		
		combined resistance =	\]	
		total resistance = Ω [1]]	
	(c) The network in (b) is connected to a power supply so that there is a potential difference between terminals X and Y. The power dissipated in the resistor of resistance 55Ω is $0.20W$.			
		(i) Calculate the current in the resistor of resistance:		
		1. 55Ω	A	
		2. 300 Ω.		

current = A

potential difference =V [1]	
[Total: 7]	

(ii) Calculate the potential difference between X and Y.