	Answer					
Number 16	This question assesses a student's ability to show a coherent and logically structured answer with linkages and fully-sustained reasoning. Marks are awarded for indicative content and for how the answer is structured and shows lines of reasoning. The following table shows how the marks should be awarded for indicative content.					
	IC points	IC mark	Max linkage mark		Max final mark	
	6	4	2		6	
	5	3	2		5	
	4	3	1		4	
	3	2	1		3	
	2	2	0		2	
	1	1	0		1	
	The following	table shows ho	ow the marks should	be awa	rded for structure and	
	lines of reasoning. Number of marks awarded for structure					
	A 1				ver and sustained line of reasoning	
	Answer shows a coherent and logical structure with linkages and fully sustained lines of reasoning demonstrated throughout				2	
	Answer is partially structured with some linkages				1	
	and lines of reasoning					
	Answer has no linkages between points and is unstructured				0	
	Indicative co	ontent				
	Or I curre Or I on Increase In	filament bulb For filament lent ent rate of increate eased temper /atoms/lattice	se of current decreature leads to inceed collision between	reases.	greater rate than I vibration of	
	 For a Or I curred or I curred or I curred on I curred ions. Increasions. For a Or I or I curred or	filament bulk For filament lent ent rate of increase eased temper /atoms/lattice ased rate of /atoms/lattice a thermistor, For a thermistrate of increase eased numbers and apply, so current	bulb, p.d. increases of current decreature leads to increase collision between the resistance decreases.	reases preased n elect ases (a ases a reases electron	d vibration of trons and s p.d. increases) ta greater rate than p.d. and current)	