Practice Question Set For GCSE

Subject: Physics

Paper-1 Topic: Electricity (Low Demand)



Name of the Student: Max. Marks : 18 Marks Mark Schemes			Time : 18 Minute
(a)	(i)	temperature (increase) and time switched on are directly _proportional accept the idea of equal increases in time giving equal increases in temperature answers such as: • as time increases, temperature increases • positive correlation • linear relationship • temperature and time are proportional score 1 mark	
	(ii)	 any one from: "it" refers to the metal block energy transfer (from the block) to the surroundings accept lost for transfer accept air for surroundings 	
		 (some) energy used to warm the heater / thermometer (itself) accept takes time for heater to warm up (metal) block is not insulated 	
	(iii)	15 000 allow 1 mark for correct substitution, ie 50 × 300 provided no subsequent step shown	2
(b)	lead	d reason only scores if lead is chosen	1
	nee	ds least energy to raise temperature by 1°C accept needs less energy to heat it (by the same amount) lowest specific heat capacity is insufficient	1

Q2.

(a) $25(\Omega)$

[7]

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