Practice Question Set For GCSE
Subject : Physics
Paper-2 Topic :10_Electricity And Circuits

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Name of the Student:_____
Max. Marks : 18 Marks **Time : 18 Minutes**

Mark Schemes

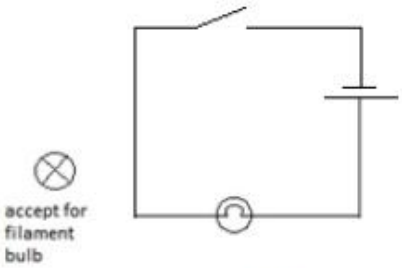
Q1.

Question number	Answer	Additional guidance	Mark
	d.c. - (current) in one direction only (1) a.c. - (current) changes direction (1)	one way both ways	**(2)** **AO1**

Q2.

	Answer	Acceptable answers	Mark
(i)	C		**(1)**
(ii)	B		**(1)**

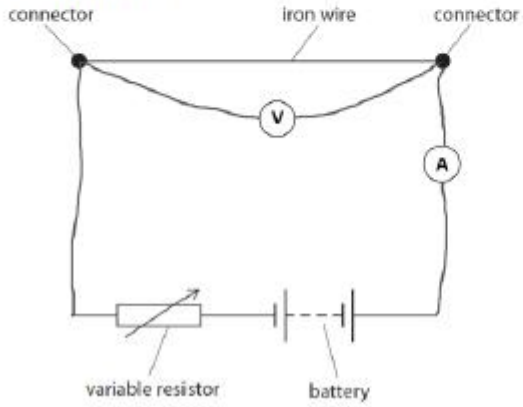
Q3.

Question number	Answer	Additional guidance	Mark
	 battery/cell symbol (1) lamp symbol (1) switch symbol (1) then complete series circuit shown (1)	ignore polarity of battery	**(4)** **AO3**

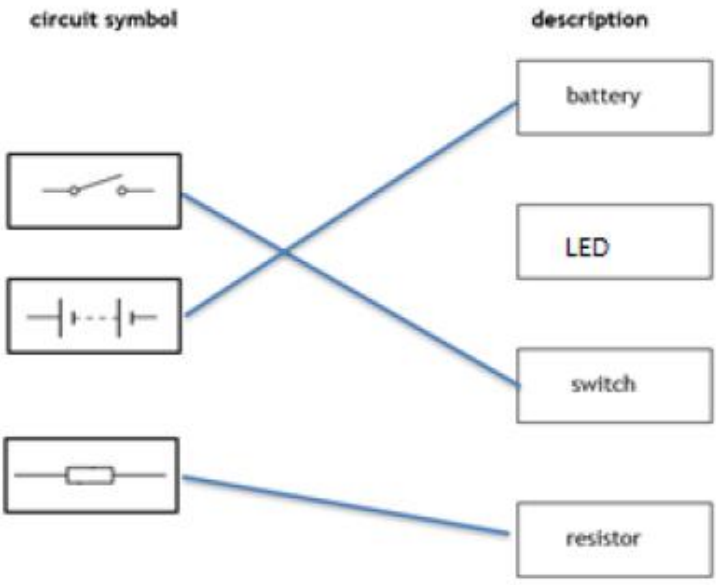
Q4.

Question number	Answer	Additional guidance	Mark
	a diagram of a circuit including **all** of the following: power supply / cell(s) / battery, identifiable resistance wire an ammeter a voltmeter (1) plus any **two** from ammeter in series (1) voltmeter in parallel (1) indication of tapping off / using 50cm of resistance wire (1)	accept symbols accept ohmmeter with resistance wire only ignore lamp(s) / additional resistors allow ohmmeter (across wire) instead of ammeter and voltmeter for 1 mark e.g. (crocodile) clips	**(3)** **AO2**

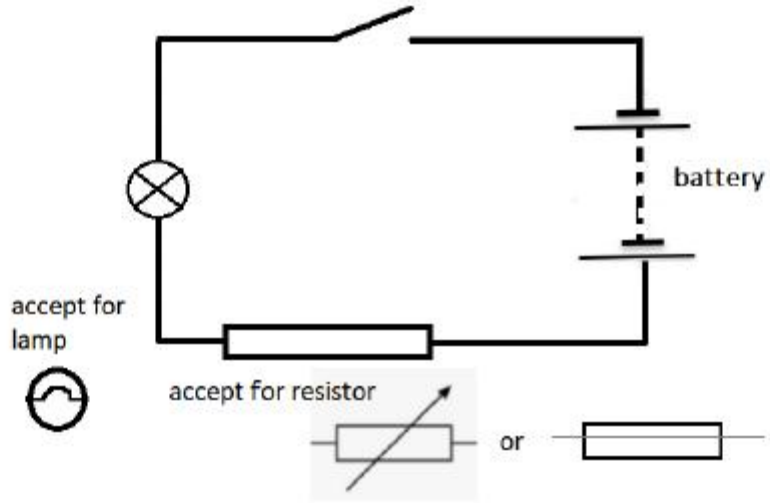
Q5.

Question number	Answer	Additional guidance	Mark
	voltmeter connected in parallel with the iron wire / any part of the iron wire (1) ammeter connected in series with the iron wire (1) example:  	accept any recognisable symbols. accept symbol drawn over connecting wire do not credit the same type of meter shown in contradictory positions	**(2)** **AO1**

Q6.

Question number	Answer	Additional guidance	Mark
	 	1 mark for each correct line. more than one line to or from any box loses the mark for that symbol.	**(3)** **AO1**

Q7.

Question number	Answer	Additional guidance	Mark
	 lamp symbol (1) switch symbol (1) open or closed resistor symbol (1) complete series circuit, with any circuit symbol(s) connected to the battery (1)	ignore any additional symbols ignore cells / batteries	**(4) AO1**