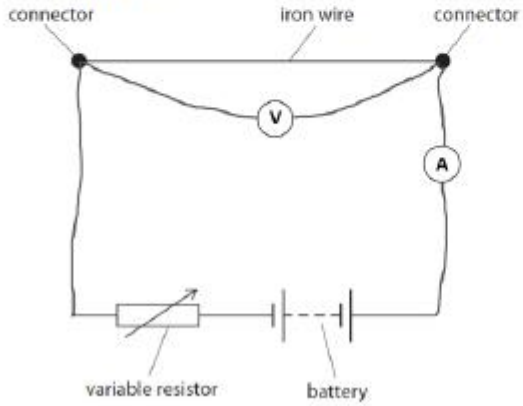
Practice Question Set For GCSE
Subject : Physics
Paper-2 Topic : 10_Electricity

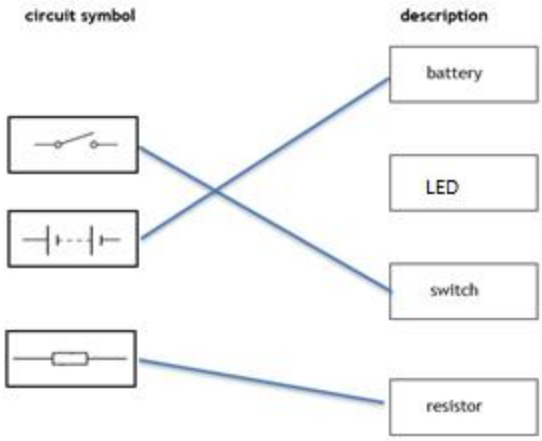
Name of the Student:_____
Max. Marks : 18 Marks **Time : 18 Minutes**

Mark Schemes

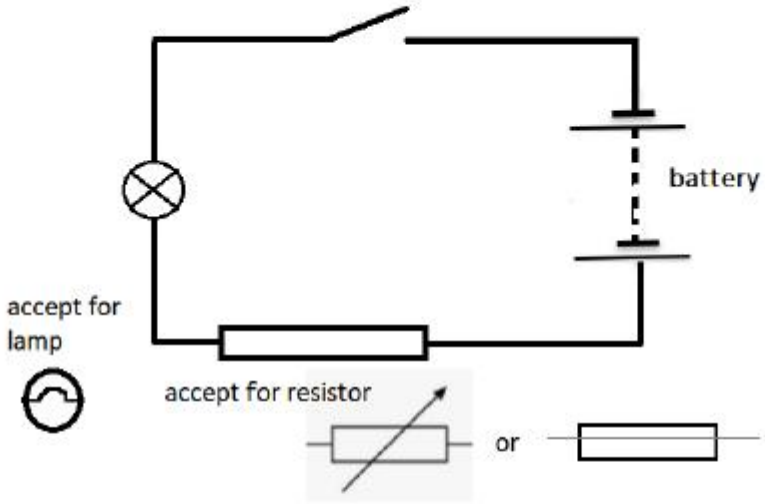
Q1.

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**

Q2.

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

Q3.

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**

Q4.

Question number	Answer	Additional guidance	Mark
(i)	Any two from: • remove one or two of the cells (1) • put a resistor in (series with lamp) (1) • leave on for a long time (1)	reverse a cell	(2)

Question number	Answer	Additional guidance	Mark
(ii)	recall $P = \frac{E}{t}$ (1) substitution (1) $\frac{18}{20}$ evaluation (1) 0.9 W (1)	allow 1 mark for a correct substitution of values into an incorrect equation independent mark watt(s) award full marks for correct answer without working	(4)

Question number	Answer	Additional guidance	Mark
(iii)	substitution into V = IR (1) $4.2 = 0.19 \times R$ rearrangement (1) $\frac{4.2}{0.19}$ evaluation (1) 22 (Ω)	award full marks for correct answer without working 22.1(Ω)	(3)