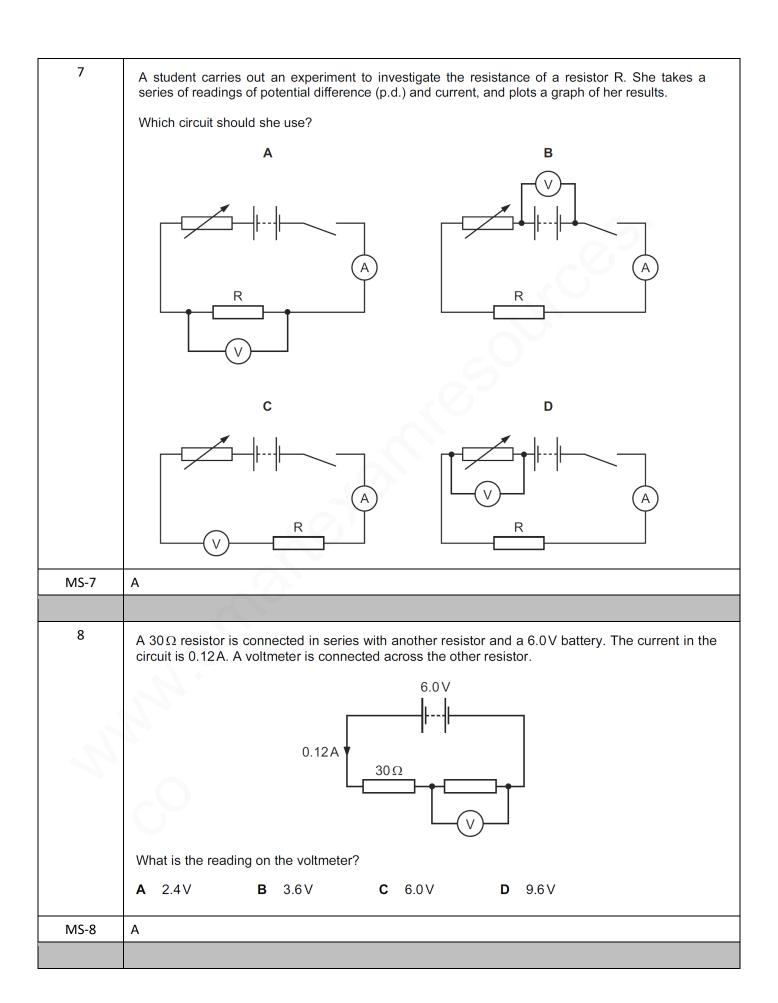
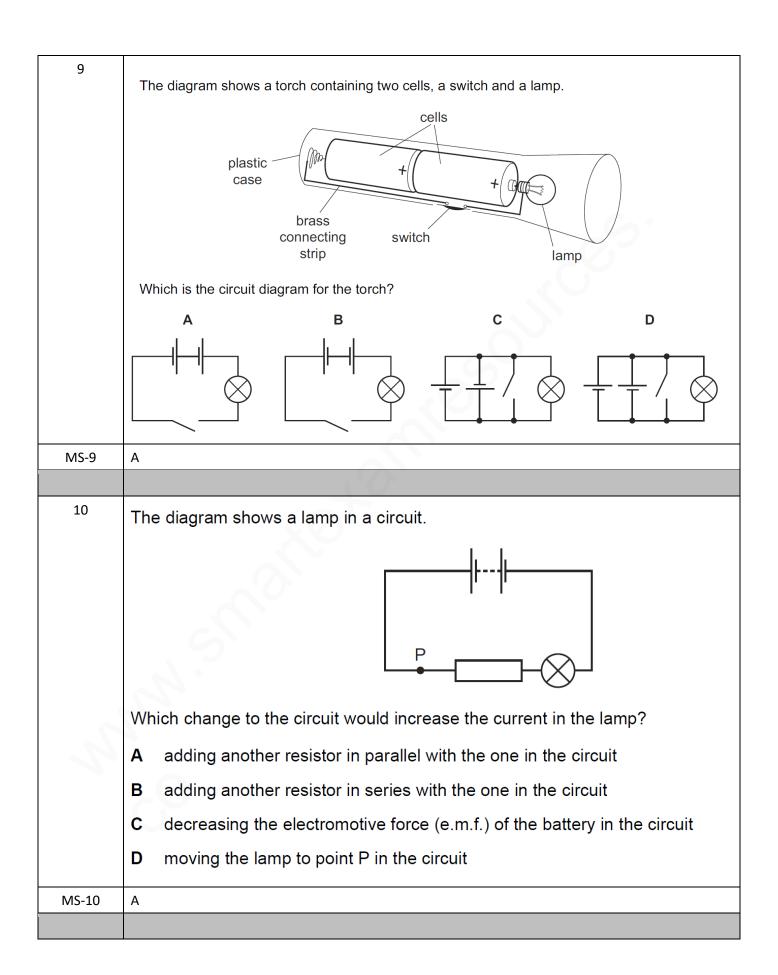
SERIES-PARALLEL CIRCUIT-SET-1		
1	Two faulty ammeters and two perfect ammeters are connected in series in the circuit shown.	
	A_1 A_2 A_3 A_4	
	The readings on the ammeters are	
	A ₁ 2.9 A	
	A ₂ 3.1 A	
	A ₃ 3.1 A	
	A ₄ 3.3 A	
	Which two ammeters are faulty?	
	$ \textbf{A} \textbf{A}_1 \text{ and } \textbf{A}_2 \qquad \textbf{B} \textbf{A}_1 \text{ and } \textbf{A}_4 \qquad \textbf{C} \textbf{A}_2 \text{ and } \textbf{A}_3 \qquad \textbf{D} \textbf{A}_3 \text{ and } \textbf{A}_4 $	
MS-1	В	
2	An ammeter and an 18 Ω resistor are connected in series with a battery. The reading on the ammeter is 0.50 A. The resistance of the battery and the ammeter can be ignored.	
	A 18Ω	
	What is the electromotive force (e.m.f.) of the battery?	
	A 9.0N B 9.0V C 36N D 36V	
MS-2	В	

3 The diagram shows a lamp and a resistor connected in a circuit. The lamp is too bright. Which change to the circuit will decrease the current in the lamp and make it less bright? connecting another resistor in parallel with the one in the circuit connecting another resistor in series with the one in the circuit В C exchanging the positions of the lamp and the resistor in the circuit D increasing the e.m.f. of the battery in the circuit MS-3 В 4 A light-dependent resistor (LDR) and a resistor R are connected in a series circuit. Light falls on the LDR. The brightness of the light falling on the LDR decreases. What happens to the resistance of the LDR and what happens to the reading on the ammeter? resistance reading on of LDR ammeter Α decreases decreases В increases decreases C increases decreases D increases increases С MS-4

5	A 2 0 O lomp and a C 0 O lomp are serves at alim as visa
	A 3.0 Ω lamp and a 6.0 Ω lamp are connected in series.
	What is the total resistance of the combination?
	$oldsymbol{A} = 0.5\Omega$
	B 2.0 Ω
	C 9.0 Ω
	D 18.0 Ω
MS-5	C
6	The diagram shows a lamp in a circuit.
	Which change to the circuit would increase the current in the lamp?
	A adding another resistor in parallel with the one in the circuit
	B adding another resistor in series with the one in the circuit
	C decreasing the electromotive force (e.m.f.) of the battery in the circuit
	D moving the lamp to point P in the circuit
MS-6	A





11	The diagram shows a circuit.
	The reading on the ammeter is 12 A.
	How much charge passes through the ammeter in 2.0 minutes?
	A 0.10 C B 6.0 C C 24 C D 1440 C
MS-11	D
1412-11	