

# PHYSICAL SCIENCES

## PAPER 1

## MAY-JUNE

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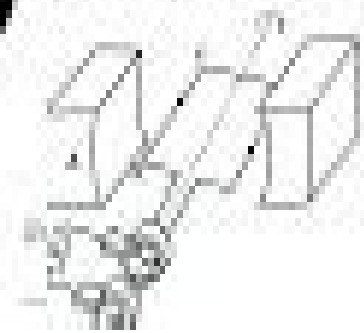


Figure 1 is a circuit diagram used for Question 1. The voltmeter is connected in parallel with the battery.

1.1 (1 mark)  
State the meaning of potential difference across a component.  
Answer: The difference in potential energy per unit charge between two points in the circuit.



- 2.1 (1 mark)  
State the condition for equilibrium.  
2.2 (2 marks)  
Calculate the magnitude of the force F.



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**Brendan G. Carr**



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