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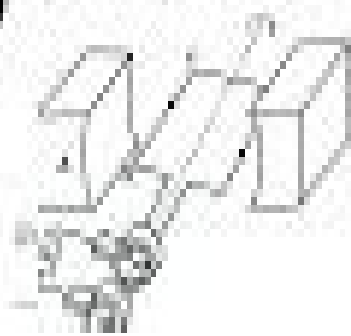
Figure 1 is a circuit diagram used for Question 1. The voltmeter is connected in parallel with the battery.

1.1 (1 mark)
State the purpose of the voltmeter in the circuit diagram.

Answer: To measure the EMF of the cell when the switch is open.



- 2.1 (1 mark)
Calculate the magnitude of the force F.
- 2.2 (2 marks)
Calculate the magnitude of the torque of the force F about the pivot.



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June 2013 Physical Science Paper 1 Memorandum

Ying-Ying Zheng



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June 2013 Physical Science Paper 1 Memorandum Book Review: Unveiling the Power of Words

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