

SPH3U4 - ELECTRICITY & MAGNETISM

PART A: MULTIPLE CHOICE (10 marks)

PART B: MATCHING (10 marks)

PART C: APPLICATION (55 marks)

- complete the following table (6)
- circuit analysis (6)
- equivalent resistance (6)
- calculate the effect of ... (3)
- right-hand rules (12)
- Lenz's law (4)
- DC motor (12)
- transformer problem (6)

PART D: EXPLAIN (25 marks)

- domain theory & magnets (4)
- explain how the following device works (4)
- electromagnet problem (4)
- validity of transformer statement (4)
- electrical safety (4)
- draw a schematic circuit diagram that ... (5)