

SPH3U5 - WAVES & SOUND

PART A: MULTIPLE CHOICE (10 marks)

PART B: MATCHING (10 marks)

PART C: APPLICATION (45 marks)

- measuring the speed of sound lab (13)
- speed of wave problem (7)
- vibrating rope, harmonics & overtones (5)
- reflection of sound problem (8)
- open/closed air columns & beat frequency problem (8)
- principle of superposition (4)

PART D: EXPLAIN (25 marks)

- earthquakes & frequency (3)
- resonance scenario (4)
- open & closed air columns (4)
- Doppler effect (4)
- speed of sound vs light (5)
- acoustics (5)