SPH3U2 - FORCES

PART A: MULTIPLE CHOICE (10 marks)

PART B: MATCHING (10 marks)

PART C: APPLICATION (50 marks)

- FBD analysis (10)
- friction (increasing/decreasing) (3)
- friction problem (FBD, a, F_f, μ, ...) (18)
- forces & 2D motion (8)
- mass & weight (8)
- vehicle safety technology (3)

PART D: EXPLAIN (30 marks)

- draw a FBD of ... (4)
- use Newton's laws to explain ... (9)
- discuss the validity of a statement (4)
- microgravity & weightlessness (5)
- given the following diagram, explain ... (8)