# Faculty of Science and Technology

**Foundation Physics 1**

**Coursework**

**Instructions**

* Group assignment with max of 5 students and it is expected that each student contributed to doing the work.
* Present all you answer using Microsoft ® Word (COMPULSORY)

**Life Application Questions**

Answer the following questions using complete sentences. Be sure to use Newton’s Laws of Motion in your answers.

**Question 1**

1. What happens according to Newton if you let an untied balloon go? (2mks)
2. Describe what happens if you are riding a skateboard and hit something (like a curb) with the front wheels. (2mks)
3. Describe what happens if you try and push Mr. Lubowa. What happens if he pushes back? (3mks)
4. Why should we wear seatbelts – use one of Newton’s Laws in your answer? (3mks)
5. Using Newton’s laws explain why heavier objects require more force than lighter objects to move or accelerate them? (6mks)
6. How can Newton’s laws be used to explain how rockets are launched into space? (3mks)
7. Explain how each of Newton’s laws affects a game of Tug of War? (6mks)

**Objective**

To test students’ capabilities of understanding on how to apply Newton’s Laws of motion to real life.