

**SANJOAC**  
**SENIOR TWO PHYSICS SHORT ACTIVITY**

**Time: 50 minutes**

**Instructions: Attempt all the questions**

<i>For Examiner's use only</i>							
<i>R</i>							
<i>A</i>							
<i>C</i>							
<i>E</i>							

**Qtn 1.**

**Qtn 2.**

**Total.**

**Qualifier.**

1. a) Jascent is educated but she does not know the states of matter. Help her understand them. In each case;
  - i) talk about the forces of attraction
  - ii) characteristics
  - iii) draw diagrams where necessary showing the arrangement of the particles.
  - iv) give 3 real life examples
 b) Further help Jascent understand the kinetic theory of matter.  
 c) convince Jascent why it is easier to run on land than it is in the water body.
2. a) Musa and David are from the garden, they come across a uniform pole of length 6 metres.
  - i) In how many ways can these people carry the pole in order to use less effort. Talk about them.
  - ii) Given that these people are provided with a knife edge and they have a bag of posho weighing 25kg. Guide them on how they can obtain the mass of the uniform pole.
  - iii) David and Musa later lifted the pole while holding it in their hands each holding at a distance of 1m from the centre of the uniform pole. While putting their 25kg bag of posho 1m away from Musa. Find the weight lifted by each Man.
  - iv) Guide them on how to carry the pole using the least possible energy.

END

**SANJOAC 2023**