PHYSICS FORM 1

KAGONDO SECONDARY SCHOOL

CAT 2 TERM 2 2015

1. Define the term physics (2mks)

2. Give 2 branches of physics (2mks)

3. State the S.I units for measuring the following quantities

i) Length (1mk)

ii) Temperature (1mk)

iii) Amount of substance (1mk)

4. Differentiate between Area and volume (2mks)

5. A block of glass of mass 187.5 g is 5.0 cm long, 2.0 cm thick and 7.5 cm high. Calculate the density of the glass in kgm-3. (3mks)

5. Differentiate between an error and accuracy in brief details (2mks)

6. A student measured the length of a wire four times using a meter rule and obtained the following readings: 18.6 cm; 18.5 cm; 18.6 cm and 18.5 cm. Determine the length the student should record. (2 marks

7. Give 2 types of physics (2mks)

8. Explain how the following factors affect surface tension

i) Impurities (2mks)

ii) Temperature (2mks)

9. An astronaut weighs 900 N on earth. On the moon he weighs 150 N. Calculate the moons' gravitational strength. (Take g = 10 N/kg). (3mks)

10. Distinguish between scalar and vector quantities (2mks)