

KIYALA HIGH SCHOOL
MID-TERM TWO ASSESSMENT TEST 2024
PHYSICS

S.1

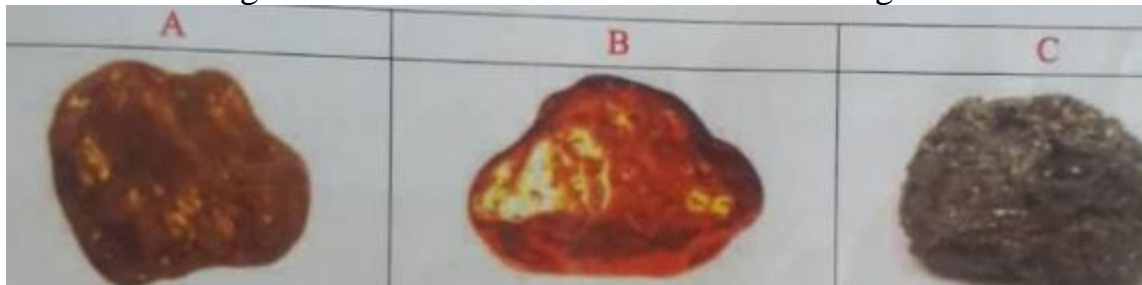
Time: 2 Hours

INSTRUCTIONS:

- *This paper consists of **three items.***
- *Answer **all** the items.*

Item 1

A certain boy on his way to school found three precious stones and picked all of them and suspected one of the stones to be gold. He then decided to carry out series of investigations to determine which stone was real gold.



Task

- i)* With reasons, which of the stones A, B and C is most likely to be gold.
- ii)* As a student of physics, prepare a speech that this boy can present to students about his investigations and how he discovered which stone was gold.

Item 2

Newton an S.1 student was provided with different names of different shapes and he was required to draw the shapes of triangle, circle, rectangle, trapezium, sphere, a cylinder and to give their respective formula for calculating area and he was unable to give.

Task

As a S.1 student of physics, help your friend Newton to draw the shapes above and give their respective formulas for calculating area.

Item 3

Nelson a bright student of Kiyala High School mixed 200 cm^3 of a liquid of mass 80g with 100 cm^3 of another liquid of mass 160g. assuming there was no loss of liquid during mixing and there was uniform mixing.

Task

As a physicist, help Nelson to;

- i)*** Find the density of the mixture.
- ii)*** Define the terms density, relative density and state their S.I units

GOODLUCK