

LUZINGA SECONDARY SCHOOL-KAMULI MIDTERM ONE EXAM 2024

S.2 PHYSICS

Time: 2hours

INSTRUCTION

Answer all questions in both sections

SECTION A

	sunshine so as his temperatures rise due to heat. He wanted to be taken to hospital and
Charles .	parents spend as assign of revenge. As a s.2 learner help the parents to understand the meaning of,
a)	Temperature?(1mk)
b)	Heat?(1mk)
c)	Why is mercury preferred over water as a thermometric liquid? (4mks)
	, and the state of
d)	When a Celsius thermometer is inserted in a boiling liquid, the mercury thread rises above the lower fixed point by 19.5cm. find the temperature of the boiling liquid if the
	fundamental interval is 25cm.(3mks)
e) .	Convert the following units
	i. 120°C to k. (2mks)



4		ii.	575k to °C. (2mks)
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	2.	Define	the following points as applied to heat transfer.
	a)	Condu	iction.(1mk)
ì		••••••	
	b)	Conve	ction.(1mk)
	c)	Dadiat	ion (1mk)
			NSTERNING NEW YORK SEED ON THE SEED OF
			see ready send up to ready (5mks)
	d)	Descri	be an experiment to show that water is a poor conductor of heat. (5mks)
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	-1	\\/hat	are good and bad conductors of heat giving two examples of each?(4mks)
	e)	vviiat	are good and but contains the c

			i .
•	f)	While	cooking ,Elijah's wife used a metallic saucepan. She later used a piece of paper to
		hold a	nd remove the saucepan from the charcoal stove.
		i.	Why did she use a metallic saucepan?(1mk)
1		ii.	Why did she use a piece of paper to lift the hot saucepan?(1mk)
			s and the property is the west of the page (2 min)
		iii.	Suggest other materials she would have used instead of the paper.(3mks)

	iv. Would it be possible to cook using a plastic saucepan?(1mk)
	3. What do you understand by a force and give two examples of forces.(2mks).
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	a) Calculate the weight of a body of mass 10kg which is placed on earth's surface where g=10m/s².(2mks).
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	b) Give the difference between surface tension and capillarity.(2mks)
C	Describe an experiment which you would carry out to show the existence of surface tension.(5mks)
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d)	Why do you think footballers' shoes are made with spikes on the soles?(1mks)
e)	Of what importance are treads on car tyres?(1mk)
f)	Why do these treads become thinner with time?(1mk)
	END
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