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PHYSICS

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Paper 1

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SUCCESS EXAMINATIONS BOARD-KAMPALA

Uganda Certificate of Education

MOCK EXAMINATIONS 2024

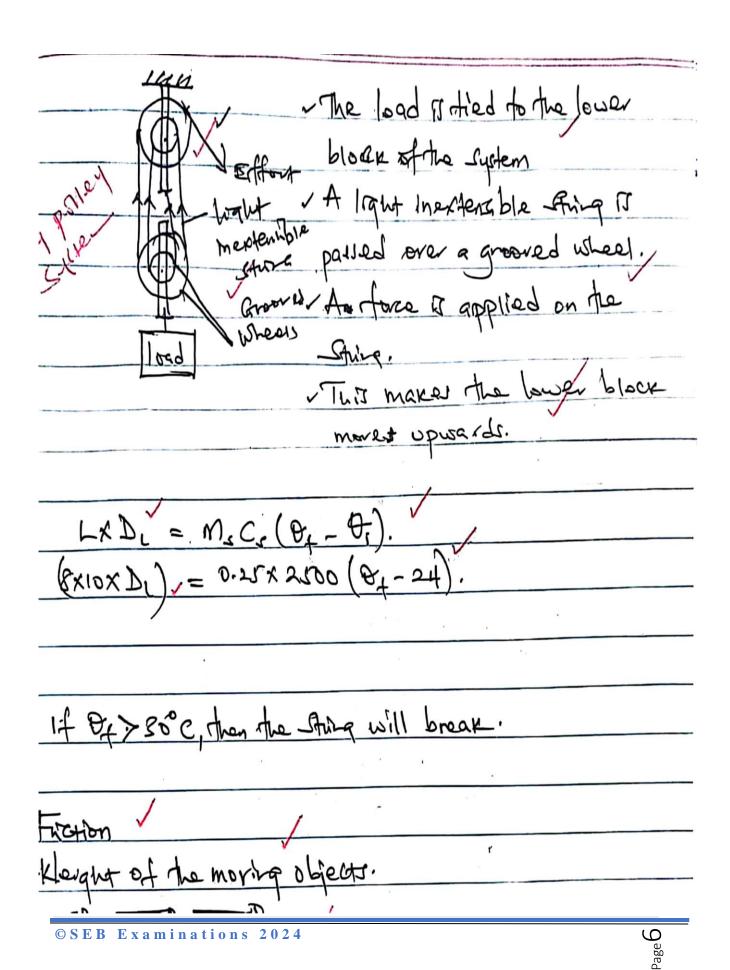
PHYSICS PAPER 1 SCORING GUIDE

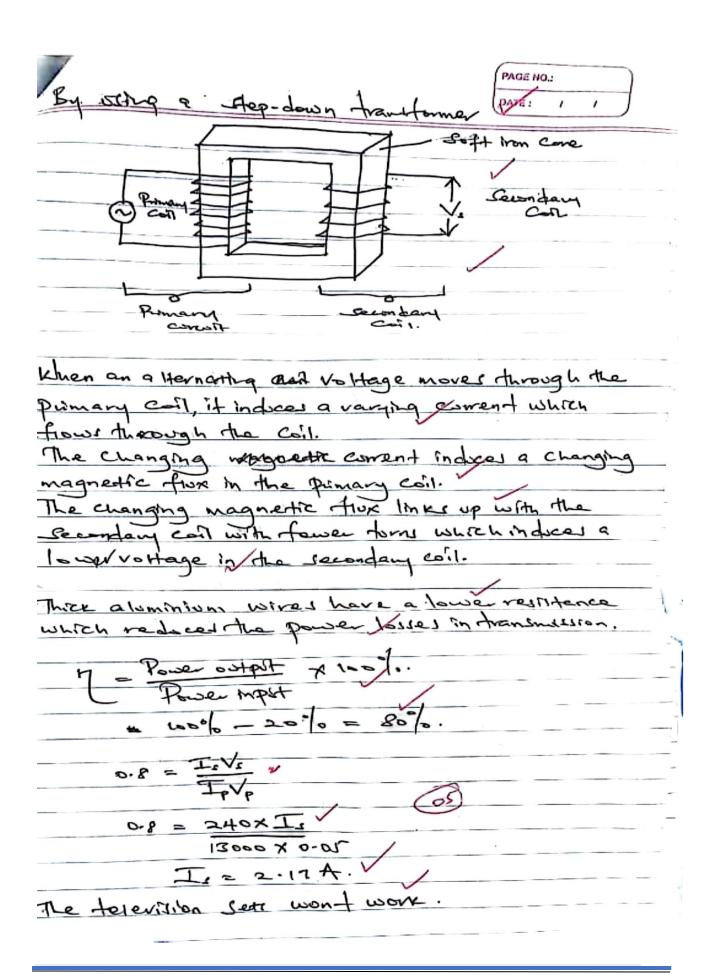
THEORY

	iyamba 1.	
- 10 a.	The darkness of the sky is doe to the rotation of	
	the early. Art right the derkness is because that	
	part of the earth 11 feeing away from the son.	
L .	Gran Lave different colours because of their sifface	
	temperatures and the cremical composition of the stars. The bive are the hottest, while followed by white, you was and read the start of the start	
		-
(12)	The brightness of the steel is due to their size.	1
	and Jurace temperature. Larger and hotter	
	Attack from the earth maller ones. T- or	
c.	The moon appears every night due to its negliar	
	orbit around the earth.	
<u>al</u> -	The different appearance of the moon's orbit	
	around the earth and the various angles of	
	mover through the optit, different portions of the	-
	illominated half are visible from earth creating	-
	a sequence of phases.	
1	Dear Lines and TV	Ļ
4	By wing telescoper.	
	`	
	The satellifes are meant for astronomical observation	
	are the Hobble space Telesenge Janes Well space	
	tolecape is launcied into specific or his outside	
	There rateristed have spectrometers, comercis, telescopes	
	and detectors for capturing detailed images and	-
(3)	1 de la contrata del contrata de la contrata de la contrata del contrata de la contrata del contrata de la contrata de la contrata de la contrata del contrata de la contrata de la contrata de la contrata del contrata del contrata de la contrata del contrata de la contrata del contrata d	
(a)	data.	-
	dota. Scientists on earth relect repective regions to be done research on. The capturing desces are made to	
	The Lota is transmitted back to earth using rado signals	! -
17	TO THE PARTY OF TH	

(3)	D=2%1
(00)	=330x2 = 660 m.
	D= 830x 3.5= 1155m.
	The workers heard the Sound at different times
	because they were at different distances away from
	the explasion.
Ь.	The faint sound that was heard was an ecus formed
	as and ut of treasound from the explosion
	being reflected back
	The diver Kept seary a monge basing formed or
	the rocal.
7× 14 .	E Cloud
9-14-6	
1-3-	
	- Pool of water
(x,)	During hot days, the layers of air cuse to the tarmac road are warmer than those above the
	A A A SHOULD THE WAR THE
	TI I SO SO SILL SO THE LITTLE IN 15 IN IS
	diver making the city com like it is on
	the road.
4.	At night, the layers of air care tothe ground
	are color than those away from the growns.
	These lead sto the sound waves body vertracted toward the ground hence
	therelling tourter.
	The day the laters of air class to the
	around are warmer than Those away to
	Could de Mais leads to Sound Way 23 Daily
	restracted away from the ground hence travelling

There were a difference in the time taken to cook because the places had different altitudes hence having different atmospheriz pressure. Since boiling occurs when the Laturated vapour pressure incide a liquid is aqual to the atmospheric pressure boiling will occur at different temperatures. This implies cooking will be longer at point P than Q by Conduction of heat to the plate on which the food was served. Padiation of Leat to the environment. Evaporation of heat to the environment. cofficing the food in a food flack (vacuum frank). This reduces heat but by radiation. Covering the food so that heat low! evaporation 13 reduced. Leving the road on a plantic wooden plate to Forting the Hood in an area with less wind. Involating the plate / Cerving the food on a silver plate. This reduces heat loss by radiation P. - Pa = hpg. (14-8- EL) x 13600 x 10 1×1,25×10. h = 1066.24m. 22 minutes = 22 x60 = 13201. _ = D/ = 1066.24 ≠ 0.81 m√1. C=D/ = 1000 = 0.85 mJ1. The roudents moved with an acceptable speed.





				-
			DATE: / /	
Bolbe.	(4x28) X8 =	0.8 KW h.	per day	
Cooker	2200 X 5 =	11 KWh.	per day	
Fence.	2200 X8 /2		Parday.	.1-
Flat Iron	1800×6 5		per weak	
The In. 150	noon will not that the app	of onite x a.6.6 x 90 Sh. 194,940 be sofficial Connected	ent. Del in parallel Ceire maximum	-
voitage au resistance in	the circuit or	educes.		- - <u>-</u>
that flow	i through the	when 13 1	And	 : :
Environte Ving applian Dring energ.	Connections of cos with the saving deri	MATTE M	lel, V	