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FORM 1	
PHYSISCS	
END TERM EXAM – MARCH 201	16
TIME: 2 HRS	

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INSTRUCTIONS

- 1. This paper consists of two sections A and B
- 2. Attempt all the questions in each section in the spaces provided after every question
- 3. All working must be clearly shown
- 4. Electronic calculators may be used.

E XAMINERS USE ONLY

SECTION	QN	MARKS	CANDIDATES SCORE
A	1-7	40	
	8	9	
	9	13	
В	10	10	
	11	8	
TOTAL		80	

SECTION A (30MKS)

1.	Define Physics	(1mk)
2.	Name 3 phenomena's that are properly explained by physics as a subject	(3mks)
3.	Name four branches of physics	(4mks)
4.	Give an example of a case where physics technology is used in medicine	(2mks)
5.	i) What is a laboratory	(2mks)
	ii) List four basic laboratory rules	(4mks)
•••		
	iii) Name two causes of burns in the laboratory	(2mks)
•••	iv) What first aid massure may be administered in some of a hours	(2mlrs)
	iv) What first aid measure may be administered in case of a burn	(2mks)
•••		

6.	i) Distinguish b	etween basic _l	physical qu	antities and c	lerived quantities	(2mks)							
	ii) Give two ex	(1mk)											
	iii) What are Sl	(1mk)											
7.	i) Complete the	e table below				(6mks)							
		Symbol o Units Kg K Mol Cd A	f SI Unit		sic Physical antity								
	ii) Complete th			mm	quantity into the sta	ated units							
				2500									

(2mks)

iii) Define area and give its SI unit

	iv) A sheet of paper measures 25cm by 15cm. Calculate its areas in SI units (3mks))
9. I	Find the volume of a cylindrical tin of i) radius 70cm and height 30cm in SI units	(3mks)
	ii) Draw and name any three devices that are used to measure volume of liquids	(6mks)
	iii) A sphere if radius 10cm is moulded into a uniform cylindrical wire of same radius Calculate the length of the wire in mm	s. (4mks)
10.	(i) The mass of 25cm ³ of ivory was found to be 45g. Calculate the density of ivory in units (3mks)	

n empty density bottle has a mass of 25g. Its mass is 5 g when filled with liquid L. Calculate the density of lig/cm ³ .		
are poured into the bottle and the total masses is 60g. Vurnings till the bottle is full. If the total mass of the bottle	Vater is then a ttle and its con	dded into the tents is 90g.
ace the reading was now 05:23:15. How long did the ra	ace last.?	(2mks)
	•••••	
efine force and give its SI units		(1mk)
tate three effects of force		(3mks)
	•••••	
t u	the mass of a density bottle of volume 50cm ³ is 10g where poured into the bottle and the total masses is 60g. Varnings till the bottle is full. If the total mass of the botalculate the density of aluminum turnings. (Density of the start of a race the readings on a digital stop watch ce the reading was now 05:23:15. How long did the race the force and give its SI units	the mass of a density bottle of volume 50cm ³ is 10g when empty. Alter poured into the bottle and the total masses is 60g. Water is then autrinings till the bottle is full. If the total mass of the bottle and its contaculate the density of aluminum turnings. (Density of water is 1g/crief the start of a race the readings on a digital stop watch was 00:00:00 ce the reading was now 05:23:15. How long did the race last.?

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