FORM 1 MID TERM 2 2020

PHYSICS

Answer all questions in the spaces provided.

1. Define Physics.

(1m k)

2. Explain the relationship between physics and Mathematics.

(1m k)

3. State three basic rules in a laboratory relating to electricity.

(3m ks)

4. Briefly explain the first aid for the following;-

   a) Acid or base burns.   (1 mk)

b) Poison in the eye. (1mk)

5. Fill the following table. (4mks)

Basic physical quantity	SI unit	Symbol of units
Length		
	Second.	
		A
	Kelvin.	

6. Define the following terms and state their SI units.

   a) Area - (2mks)

   b) Mass - (2mks)

   c) Density - (2mks)

7. Differentiate between a basic quantity and a derived quantity. (2mks)

6. (a) A length 550cm of thin thread wraps around a cylinder exactly 25 times. Calculate the circumference and the radius of the cylinder (Take = $^{22}/_7$) (3 mks)

(b) If a ream of 500 papers weighs 2.5kg find the mass of single sheet in;

i. Kg. (2mks)

ii. g (1mk)

9. State two career opportunities when one studies Physics. (2mks)

10. Outline the procedure for using a metre rule when measuring the length of a book   (3mks)