PHYSICS-FORM ONE-TERM 1 -2020

NAME: ....CLASS:........ ADM.NO. :...........

TIME:

Answer all questions in the spaces provided.
1. Define Physics.   (1mk)

2. Explain the relationship between physics and Mathematics.   (1mk)

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

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)

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   b) Mass -   (2mks)

   c) Density -   (2mks)

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

8. (a) A length 550cm of thin thread wraps around a cylinder exactly 25 times.
      Calculate the circumference and the radius of the cylinder (Take $\pi = \frac{22}{7}$)
                                                                 (3mks)

   (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)

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