**NAME: …………………………………………………….CLASS:…….. ADM.NO. :………..**

**PHYSICS FORM ONE**

**C.A.T 1 TERM 1 -2021**

**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;-
5. Acid or base burns. (1 mk)
6. Poison in the eye. (1mk)
7. Fill the following table. (4mks)

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

1. Define the following terms and state their SI units.
2. Area - (2mks)
3. Mass - (2mks)
4. Density - (2mks)
5. 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 (3mks)

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

1. Kg. (2mks)
2. g (1mk)
3. State two career opportunities when one studies Physics. (2mks)
4. Outline the procedure for using a metre rule when measuring the length of a book (3mks)