**KITALA MIXED DAY SECONDARY SCHOOL**

**CAT 1 PHYSICS FORM ONE TERM ONE 2017**

**NAME………………………………………………………………………………….ADM NO……………………SIGN………..**

1. Define physics. 2mks
2. Outline five branches of physics. 5mks
3. Give the relationship between physics and the following disciplines. 4mks
4. Mathematics
5. Geography

 4.List four basic laboratory rules. 4mks

 5.Give the first aid measures for the following. 4mks

 i)cuts

 ii)burns

 6.Define length and hence state its SI unit. 2mks

 7.What is SI unit ? 2mks

 8.Differentiate between basic physical quantities and derived quantities. 2mks

 9.State the SI unit for the following basic physical quantities. 4mks

|  |  |
| --- | --- |
| Basic physical quantities | SI UNIT |
| Length  |  |
| Mass  |  |
| Time  |  |
| Electric current |  |

10.State three steps followed when using a metre rule. 3mks

11.Express each of the following in CM2 4mks

 a)7.5m2

 b)0.09m2

12.Calculate the area of a circle of rardius 7.0cm. 2mks

13.Define volume. 2mks

14.A block of glass is 5.0 cm long, 4.0cm thick and 2.5cn high. Calculate its volume. 3mks

15.Find the volume of a cylindrical tin of radius 7.0 cm and height 3.0cm. 3mks

16.Find the volume sphere whose radius is 3.0cm. 3mks

|  |  |
| --- | --- |
|   | 7.0cm  8.0cm |
|  |

17.Calculate the area of the figure below. 3mks

 13.0cm