**DARAJANI BOYS’ HIGH SCHOOL,**

P.O BOX 20-90129, NGWATA

**OPENER CAT, TERM II, 2015**

**FORM 1**

**PHYSICS**

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

Instruction: Do all the question

1. Define physics (1mk)
2. State six branches of physics (6mks)

1. Give the relationship between physics and the following subjects (2mks)
2. Mathematics

 b) Chemistry `

1. Differentiate between basic an d derived quantities (2mk s)
2. Define the following terms and give SI units of each (2marks)

 a) Length

 b) Area

1. Fill in the table using the correct SI units and symbols (4mks)

|  |  |  |
| --- | --- | --- |
|  Basic / fundamental Quantity  | SI units  | Symbols  |
| Mass |  |  |
| Time |  |  |
| Temperature |  |  |
| Electric current |  |  |

 7. Convert the following into m2 (2mks)

 a) 100cm2

 b) 0.0000693 km3

1. Find the area of a sphere whose radius is7cm (3mks)
2. A beaker of radius 7cmcontains water to a height of 10cm. What is the volume of the water in the beaker (3mks)