GATITU MIXED SECONDARY SCHOOL

FORM ONE PHYSICS

C.A.T II TERM II 2013

NAME:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ADM:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_DATE\_\_\_\_\_\_\_\_\_\_\_\_

1.(a).Define density and state its SI units.(2mks)

(b).The mass of an empty density bottle is 20g.Its mass when filled with water is 40g and 50g when filled with liquid X.Calculate the density of liquid X if the density of water is 1000kgM3. (4mks)

(c).If fresh water of density 1000kg/m3 equal to 1800cm3 is mixed with sea water of density 1025kg/m3 equal to 2200cm3.Calculate density of the mixture.(3mks)

2. (a)Define force and state its SI Units.(2mks)

(b)As force can change the direction of moving object ,which **THREE** other effects does the force has on an object.(3mks)

.3).Stipulate types of forces.(4mks)

4).Give three differences between and weight.(3mks)

|  |  |
| --- | --- |
| Mass | Weight |
|  |  |

5. The figure below shows the cross-section of Mr.Thendu’s fish pond. Find its area.(3mks)

6. The mass of a loaf of bread remains constant everywhere but its weight keeps on changing. Explain.(2mks)

7. Define time and state its SI Units.(2mks)

“HARD WORK PAYS”

MR.KARANJA .T II TERM II 2013