**GATITU MIXED SECONDARY SCHOOL**

**TUNE UP EXAM TERM II**

**PHYSICS FORM ONE**

**1. Define the following terms stating their SI units.**

**a) Mass (2mks)**

**B) Volume (2MKS)**

**C) Density (2mks)**

**2. State three properties of an irregular solid of which you want to find its volume. (3mks)**

**3. Enumerate four basic laboratory rules. (2mks)**

**4. Distinguish between derived and fundamental quantities highlighting two examples each. (4mks)**

**5. Explain why the displacement method is unsuitable for determining the volume of solids such as charcoal and bricks. (3mks)**

**6. A ball bearing is slowly lowered in a eureka can and the overflow was collected in a measuring cylinder. The liquid collected was found to be 0.05m3.If the bearing had a mass of 40g,find its density in kg/m3. (3mks)**

**7. a wooden block 6 cm long, 5cm wide and 2 cm thick has a mass of 240g.**

**Calculate its density in:**

**(i) g/cm3 (2mks)**

**(ii)Kg/m3 (2mks)**

**8. The water level in a burette is at 20.0cm3 mark.10 drops of each volume o.o1cm3 are let out. Find the new burette reading. (2mks)**

**9. State THREE precautions that should be put into consideration when handling the density bottle. (3mks)**

**10. Convert the following:**

**(a) 1000kg into g. (2mks)**

**(b) 0.00000125 m to mm. (2mks)**

**(c) 5m3 into cm3 (2mks)**

**(d) 1000000 M to KM (2mks)**

**(e) 4000000 cm3 into M3 (2mks)**

THE END

“DO NOT PUT OFF TILL TOMORROW WHAT YOU CAN DO TODAY”

Mr. Karanja