**GATITU MIXED SECONDARY SCHOOL**

**PHYSICS FORM II**

**TUNE UP EXAM TERM III**

 ANSWER ALL THE QUESTIONS

1. Define the following terms 4mks
2. Mass
3. Density
4. Force
5. pressure
6. Water molecules wet the glass surface while mercury do not explain. 2mks
7. Explain why a needle placed carefully on the surface of water does not sink. 2mks
8. The air pressure at the base of a mountain is 75.0 cm of mercury while at the top it is 60.0cm of mercury. Given that the average density of air is 1.25kgm-3 and the density of mercury is 13,600kgm-3, calculate the height of the mountain. 3mks
9. State the kinetic theory of matter. 2mks
10. Enumerate four effects of anomalous behavior of water. 4mks
11. While heating water in beaker wire gauze is placed below the beaker. Explain 2mks
12. State the laws of reflection. 2mks
13. Name three applications of reflection of light in everyday life. 1 ½ mks
14. A pinhole camera of length 15 cm forms an image 3 cm high of a man standing 9 m in front of the camera. What is the height of the man? Give your answer to the nearest cm. 3mks
15. The diagram below shows a lenclanche cell use it to answer the questions below.



1. A B
2. What’s the function of manganese (iv) oxide. 2mks
3. Explain why some water is observed on the surface of lenlanche cell after being used up? 2mks

**\*\*THE END\*\***

*Never trouble another for what you can do yourself.*

**MR KARANJA**