

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Gatitu Mixed Secondary School** | | | | |
| **Form 2** | **Term 1** | **232 - Physics** | **08-Jan-16** | **Opener** |

1. State three types of equilibrium (3mks)

2. State two ways of increasing the strength of an electromagnet (2mks)

3. Distinguish between a real and a virtual image (2mks)

4.complete the table below

|  |  |  |
| --- | --- | --- |
| Type of cell | Electrodes | Electrolyte |
| Simple cell |  |  |
| Dry cell |  |  |
| Acid accumulator |  |  |

5. State two properties that make a liquid suitable as a thermometric substance (2mks)

6. Give two external factors that affect the rate of evaporation of a liquid (2mks)

7. State the major difference between mechanical and electromagnetic waves (2mks)

8. An object is projected vertically upwards at a speed of 15ms-1. How long will it take to return to the same level of projection?(3mks)

9. Explain why a glass container with thick wall is more likely to crack than one with a thin wall when very hot liquid is poured into them (2mks)

10. The pressure of atmosphere is about 1x10^5pa. what force does it exert on a desktop of sides 0.8m by 0.6m? How long can the desktop support this force?(2mks)