**ELERAI MCK GIRL SECONDARY SCHOOL**

**GEOGRAPHY FORM ONE**

**OPENER CAT I TERM III 2014**

1. State 3 reasons why the interior of the earth is still hot (3mks)
2. Name 2 theories that explain the origin of the earth (2mks)
3. What is meteorology? (2mks)
4. Outline7 characteristics of the planet earth (21/2mks)
5. How many satelites are found on the planet Saturn (1/2mk)
6. State the shape of the earth (1mk)
7. Outline 2 importance of studying geography (2mks)
8. State 2 proofs that the earth is spherical (2mks)
9. Name two ways in which the earth moves (2mks)
10. Draw a well labelled diagram to show the 5 major latitude (21/2mks)
11. What does the term deflection means (1mk)
12. Supposing the local time at the green wich meridian is 12:00noon what is the local time at Watamu which is 400E (3mks)
13. State two dates in which the sun is overhead on the equator (2mks)
14. How long is a leap year ( (1mk)
15. Complete this cycle of seasons and how they follow one another (3mks)
16. On which date is the sun overhead on the tropic of Capricorn (1mk)
17. Explain the temperature changes in the Northern hemisphere and the Southern hemisphere when the sun is overhead on the tropic of Capricon (2mks)
18. State one importance of the o-zone layer (1mk)
19. Outline 3 sources of the hygroscopic aerosols (3mks)
20. How important is carbon dioxide in the atmosphere? (2mks)
21. Name the component of the external structure of the earth (2mks)
22. State three characteristics of the mantle (3mks)
23. Name the minerals that are contained in the rocks of the following layers (5mks)

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| **Layer** | **Mineral** |
| Inner core |  |
| Outer core |  |
| Lower mantle |  |
| Sima |  |
| Sial |  |

1. State 3 factors that determine the amount of solar energy that reaches the surface of the earth (3mks)