**HOLA SECONDARY SCHOOL**

**GEOGRAPHY**

**END OF YEAR EXAMINATION**

**YEAR 2011**

**TERM THREE**

**FORM TWO**

**TIME: 2 HOURS**

**NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_CLASS\_\_\_\_\_\_\_\_\_ADM/NO.\_\_\_\_\_\_\_\_\_\_\_**

1A) What is solar system. (2mks)

b) The diagram below shows the external and the internal structure of the earth.

1. Name the parts marked A, B, C, D and E. (5mks)
2. Name the dominant minerals in the part marked C. (2mks)

C) What is the biosphere? (1mk)

2a) State three proofs that the earth is spherical. (3mks)

Bi) What is the longitude of a place whose local time is 4.30 p.m. when the local time at longitude 45o E is 1.00 p.m. (3mks)

ii) Give two dates in the year when the sun’s overhead position at noon is over the Tropical of cancer and Capricon. (2mks)

iii) State three effects of the revolution of the earth. (3mks)

3a) Describe the conditions that are necessary for the siting a weather station. (4mks)

b) Name instruments kept in a Stevenson screen. (3mks)

4. Study the provided 1:50,000 map extract of Kianja and use it to answer the following questions.

Ai) What is found at grid reference 366976 and 251017. (1mk)

ii) Write the scale of this map in statement form. (2mks)

Bi) Measure the distance in kilometers of road A1 -96 from grid Northing 96 to Easting 293.(2mks)

ii) Calculate the area of the bill in the North west of Kianja above the road B1 – 60. (2mks)

ci) Identify two types of vegetation found in the area covered by the Map extract. (2mks)

ii) Name three economic activities found in the area. (3mks)

d) Students in one of the schools shown on the Kianja Map intend to carry out a filed study of the types of rocks within the school’s vicinity.

1. What is a hypothesis? (2mks)
2. Explain why they will need to carry the following.
3. A hammer (1mk)
4. Paper bay (1mk)
5. Magnifying glass (1mk)
6. State two objectives suitable for this field study. (2mks)
7. Describe two techniques they would use to collect data on rocks. (4mks)
8. Explain how the findings from such a field study would be useful in understanding the Geography of the area. (3mks)

5a) Define the following terms.

1. Seismograph (2mks)

ii) Epicentre (1mk)

1. Explain two causes of earthquakes. (4mks)
2. With an aid of a well labeled diagram. Explain how block mountains are formed. (5mks)

6a) Explain why tree planting are important priority in Kenya. (6mks)

b) Compare softwood forest in Kenya and Canada. (8mks)

7. Draw a well annotated to show vegetation succession on a mountain. (6mks)