END OF TERM 1 EXAM 2014
GEOGRAPHY PAPER 1
FORM 3

SECTION A:

ANSWER ALL THE QUESTIONS:

1. a. State three forces that influence the shape of the earth. (3 mks)

   b. State three proofs that show that the earth is spherical. (3 mks)

2. a. Distinguish between a rock and a mineral. (2 mks)

   b. Give the metarmophic equivalent of the following rocks. (3 mks)

Original rock	metarmophic
Granite –	
Limestone –	
Shale –	

3. a. What is the longitude of a place M whose local time is 11.00 am. If the local time at longitude 30^{o}E is 2.00 pm. (3 mks)

   b. State the effect of the International Date Line. (1 mk)

4. a. What is Mass Wasting. (2 mks)

   b. State 3 factors which affects the rate of mass wasting. (3 mks)

5. a. Define the term Vulcanicity. (2 mks)

   b. Name i. Two Intrusive landforms (2 mks)
   ii. Two Extrusive landforms (2 mks)

SECTION B:
ANSWER QUESTIONS *SIX* (COMPULSORY) AND ANY OTHER TWO QUESTIONS.

6. Study the map of Karatina (1:50,000) sheet 121/3 provided and answer the following questions.

   a. i. What type of map is Karatina? (1 mk)
   ii. Convert the scale used in the map into a statement scale. (2 mks)
   iii. Outline 3 marginal information which you can be able to identify from the map given. (3 mks)

b. i. Citing evidence from the map, use list three social functions of the area covered by the map. (6 mks)

ii. Name 3 human made features from the map. (3 mks)

c. i. Citing evidence from the map explain three economic activities of the area covered by the map.

ii. Describe the drainage of the area covered by the map. (4 mks)

7.a. i. Name three types of faults. (3 mks)

ii. Apart from compressional force explain two other processes that may cause faulting. (4 mks)

b. With aid of diagrams, describe how compressional forces may have lead to the formation of the Great Rift Valley. (8 mks)

c. Explain five ways in which faulting is of significance to human activities. (10 mks)

8. a. The table below shows Rainfall and Temperature figures of a station in North America.

Month	J	F	M	A	M	J	J	A	S	O	N	D
Rainfall in mm	15	8	8	13	31	51	51	51	28	25	18	20
Temp (°C)	-22	-19	-12	-1	4	10	11	11	5	-11	-18	-20

a. On the graph paper provided, draw a bar graph to represent the rainfall figures. (Use a vertical scale of 1cm represent 10 mm) (5 mks)

b. Give four characteristics of a bar graph you have drawn. (4 mks)

c. i. Calculate the mean of temperature for the station. Show your working. (2 mks)

ii. State five characteristics of the climate experienced in the station. (5 mks)

d. You intend to carry out a field study on vegetation around the station with the above climate.

i.. State 3 methods you would use to collect the data. (3 mks)

ii. Highlight 3 methods you are likely to use to record the data. (2 mks)

iii. State 3 problems you are likely to face during the field study.

9. a. Name three types of physical weathering. (3 mks)

b. i. Give three factors that influence the rate of weathering. (3 mks)

ii. Describe two causes of biological weathering. (6 mks)

c. i. Give five types of chemical weathering. (5 mks)
ii. Explain four significances of weathering to human activities. (8 mks)

10. a. What is aridity? (2 mks)

b. What is desertification. (2 mks)

c. State five causes of aridity and desertification. (5 mks)

d. i. Explain 5 effects of aridity and desertification. (10 mks)
ii. Suggest 3 possible solutions to aridity and desertification. (6 mks)