

**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 metamorphic equivalent of the following rocks. (3 mks)
- | | | |
|----------------------|--|-------------|
| <u>Original rock</u> | | metamorphic |
| 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°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)