**GATITU DAY MIXED SECONDARY SCHOOL**

**GEOGRAPHY FORM 3**

**END OF TERM 2 2012 EXAM**

**SECTION A- PHYSICAL GEOGRAPHY (PP 1)**

1. a) Differentiate between aridity and Desertification. (2mks)

b) list 3 natural causes of aridity (3mks)

2. a) Draw a well labeled diagram of the hydrological cycle (3mks)

3. Distinguish between a vent and a fissure (2mks)

4. a) Name 5 characteristics of minerals (5mks)

b) Name 3 examples of plutonic rocks. (3mks)

5 . You are supposed to carry out a field work study of an area which has been affected by vulcanicity and a recent earthquake.

a) Give 3 sources of information (3mks)

b) Apart from conducting oral interview state 3 other methods you would use to collect information during the field study. (3mks)

c) Explain how you would prepare for the study. (5mks)

d) Name 3 ways of recording the information. (3mks)

6. The diagram below represents the internal structure oof the earth. Use it to answer question (a).

u

y

a) i) Name part **u** (1mk)

ii) State the composition of part **Y** (1mk)

7. List 3 factors that influence climate (3mks)

8. a) Define vulcanicity (2mks)

b) State 4 characteristics of acidic lava (4mks)

c) Using a well labeled diagram describe the formation of convention rainfall (4mks)

9 a) Name 3 external processes used in the formation of landscape. (3mks)

b) Name 4 processes involved in mechanical weathering (4mks)

c) i) Explain how the following influence the rate of weathering. (4mks)

1. Temperatures
2. Living organisms

**SECTION B**

10. The table below shows rainfall and temperature statics for section A

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Month | Jan | Feb. | mar | Apr | may | Jun | Jul | Aug | sep | oct | Nov | Dec |
| Temp c0 | 30 | 31 | 31 | 31 | 30 | 29 | 28 | 29 | 29 | 29 | 29 | 30 |
| Rainfall (mm) | 250 | 250 | 325 | 300 | 213 | 25 | 25 | 25 | 100 | 275 | 380 | 300 |

a) Calculate

i) the temperature range (2mks)

ii) total annual rainfall (2mks

b) On the same graph draw an appropriate line graph and bar graphs representing the bata for the station above. (7mks)

c) State 2 advantages of line graphs (2mks)

11. Differentiate between mass wasting and weathering. (2mks)

12. Give 2 types of river erosion and explain (2mks)