**NAME ---------------------------------------------------------ADM NO ----------------- CLASS-------**

**INDEX NO --------------------------------------- SIGNATURE -----------------------------------**

312/1

GEOGRAPHY

PAPER 1

MAY2015

TIME: 2 ½ HOURS

**TIGANIA SOUTH PRE-MOCKS 2015**

**Instructions**

1. Attempt all the questions

2. The paper comprises of two sections A and B

3. Use the spaces provided to answer section A.

4. Use separate foolscaps to answer each question in section B.

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| **SCORE SHEET** |  |
| SECTION A |  |
| QUESTION 6 |  |
| QUESTION 7 |  |
| QUESTION 8 |  |
| **TOTAL** |  |

 **SECTION A**

**Answer all the questions in this section**

1.a) State two forces that shape the surface of the earth. (2mks)

b) State three characteristics of the crust. (3mks)

2. Describe how exfoliation dome is formed. (5mks)

3. a) Distinguish between a coast and a shore. (2mks)

b) State three conditions necessary for the formation of a spit. (3mks)

4. a) State three ideal conditions for the formation of an artesian well (3mks)

b) Give two ways in which underground water may reach the earth surface. (2mks)

5.The diagram below shows vegetation zones on a mountain slope. Use it to answer question (a)

a) Identify the vegetation zones marked P and Q (2mks)

b) State three characteristics of savanna vegetation. (3mks)

**SECTION B**

**Answer question 6 and any other two questions from this section.**

6. Study the map of Belgut sheet 117/3 and the following questions.

a i) Give the six figure grid reference for Teldet school in the North. (2mks)

ii) What is the approximate area of Homa Bay district found on the map extract. (2mks)

b) i) Give the direction and bearing of Mindililwet school from Chebirbei junction. (2mks)

ii) Measure the distance of river Sondo from Northing 50 to the end in the West. (2mks)

c. Draw a rectangle representing the area West of Easting 30 and North of Northing 50. (2mks)

On it mark and name the following:

1. River Sondo (1mk)
2. Sikowon hill (1mk)
3. Iii)All weather road bound surface. (1mk)
4. Papyrus swamp (1mk)

d) i) Citing evidence from the area covered by the map, name any 2 social activities taking place in Kebenet. (2mks)

ii) Give two uses of river Sondo in the area through which it flows. (2mks)

iii) Explain 3 factors that have influenced the growing of Tea in area covered by the map ( use evidence) (6mks)

iv) Name two types of settlement found at grid 2457. (1mk)

7. Study the map of Kenya showing faulting and answer the questions below.

a. i) Name the features marked 1, 2 (2mks)

ii) Name the scarps 3, 4 and 5 (2mks

iii) Name the lakes marked 7, 8 (2mks)

b) i) State three characteristics of the Rift Valley. (3mks)

ii) Using relevant diagrams, describe how a horst (fault block) was formed by Tensional forces. (5mks)

c. You carried out a field study in the region above on the effects of faulting on human activities.

i) State one hypothesis of your study. ( 1mk )

ii) State three problems you experienced during the study. (3mks)

iii) State three finding on the positive effects of faulting on human activities. (3mks)

iv)State three follow up activities you engaged in. (3mks)

8.a) i) Distinguish between soil profile and soil catena. (2mks)

ii) State two importance of minerals ( inorganic matter) in the soil. (2mks)

b. i) Explain how the following factors influence soil formation:

1. Climate (3mks)
2. Living organism (3mks)

c) Describe calcification as a leaching process in soil formation. (3mks)

d) i) What is soil degeneration? (1mk)

ii) Identify two types of soil degeneration. (2mks)

e) Explain three ways in which vegetation protects the soil from degeneration. (6mks)