

KAMONYI DISTRICT
GEOGRAPHY HOLYDAYS WORK

SENIOR FIVE: MEG, HGL

Instructions : This examination consists of three sections: A, B and C:

- Attempt all questions of section A /55 marks
- Choose three questions for section B /30 marks
- Attempt all questions of section C /15 marks

SECTION A = ANSWER ALL QUESTIONS / 55 MARKS

1. Complete the following sentences by a good answer:

- a) The rain gauge is formed by two main parts: the..... and the..... / 2 marks
- b) In climatology the frontal line is formed by meeting of and / 2 marks
- c) The line on the map which joins places of the same atmospheric pressure is called.... /1 mark
- d) The so heavy rain cloud in atmosphere is /1 mark

2. Multiple choice / 5 MARKS

- A) A block mountain is associated with
 - I) Horizontal rock strata
 - II) Differential erosion
 - III) Faulting
- B) Tensional and compressional forces both operate in the earth's crust and they can result in the formation of:
 - i) Fold mountain
 - ii) Rift valley
 - iii) Block mountain
- C) The phenomena of earthquake is associated
 - i) With body waves
 - ii) Focus
 - iii) Faulting
- D) The shape of a volcanic cone is directly related to:
 - i) The nature of the volcanic eruption
 - ii) Erosional forces
 - iii) The nature of lava
- E) Which one of the following statement is incorrect?
 - i) Igneous rocks are formed when molten rocks from the mantle cool and solidify
 - ii) Sedimentary rocks do not contain fossils.
 - iii) Basalt and granite are examples of igneous rocks
 - iv) Rocks that are changed by great pressure and heat are called metamorphic rocks.

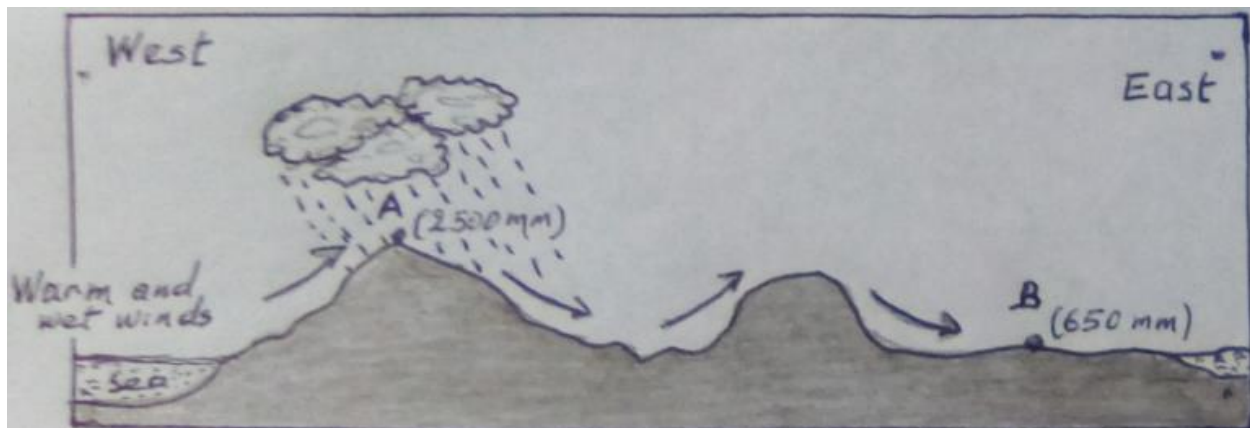
3. a) What is Galaxy? /2 marks
 b) state three types of galaxy / 3 marks
 4) Explain how Lake Victoria has modified the climate of the surrounding areas. / 5 marks

5. The table below shows the number of visitors in '000 ' to selected national parks in Kenya for the years 2006 to 2008. Use it to answer the questions that follow:

Parks / Yaers	2006	2007	2008
Nairobi	102	93	92
Amboseli	153	156	52
Tao	354	372	182
Lake Nakuru	327	347	138
Total	936	968	494

- a) Calculate the percentage increase in the number of visitors who visited Lake Nakuru National Park between 2006 and 2007. /2 marks
 b) Draw a comparative bar graph to represent the number of visitors to selected National Parks in Kenya. /4 marks
 c) Explain the setbacks associated with tourism in Kenya. /3 marks

6. Analyse below figure and answer on the question:



- a) Name the type of rainfall on the figure above shown at A. / 1 mark
 b) Give three factors justifying the low rain fall at B: 650mm compared to A: 2 500mm. /3 marks
7. If the two stations R and L are separated each other, calculate the distance in kilometers with the following coordinates: K = 32 ° East and 13 ° North. L = 32 ° East and 22 ° South. / 4 marks
- 8) The temperature average is 15 degrees near the surface and -57 degrees at the troposphere. Convert those Celsius temperatures into Fahrenheit and show the work out. / 4 marks

9 Alhaji BUTURE in BEIJING wants to ring Mr Smith in New York about an important business matter. Alhaji BUTURE has decided to ring Mr Smith at 9:00 PM Beijing time.

What will be the day (date) and the time in New York Mr Smith receives this call?

Geographic coordinates are:

- Beijing : 108°E ; 40°N . – New York : 74°W ; 41°N . /4 marks

10 a) Give two reasons to explain why temperature reduces with an increase in altitude in the troposphere. /2 marks

b) Differentiate between solar radiation and terrestrial radiation. /4 marks

11. If the temperature changes with the altitude, calculate how will be the temperature on bottom when it does 8°C on the top mountain.

–Altitude on high mountain = 4,354 m - Altitude on foot mountain = 1,627 m. / 3 marks

SECTION B = ANSWER ANY THREE QUESTIONS / 30 MARKS.

12. a) To what extent atmosphere plays a considerable role in regulating/control negative effects of solar radiation? /5 marks

b) "Human activities depend upon climate and weather conditions of an area" with relevant examples in Africa, support this statement. / 5 marks

Q13. Earthquake and volcanic eruptions are closely associated and sometimes they occur together.

(a) Name the instrument by which an earthquake is recorded. /1mark

(b) Name the scale which gives the magnitude of an earthquake. /1mark

(c) Briefly explain what means by the intensity of an earthquake. /2marks

(d) What type of earthquake waves causes most of damage? /1mark

(e) Explain the changes in the surface rocks that can results from an earthquake. /5marks

14. a) What is the soil PH? /2 marks

b) Describe how the PH SCALE are used. / 3 marks

c) With help of illustration, distinguish between soil profile and soil catena. / 5 marks

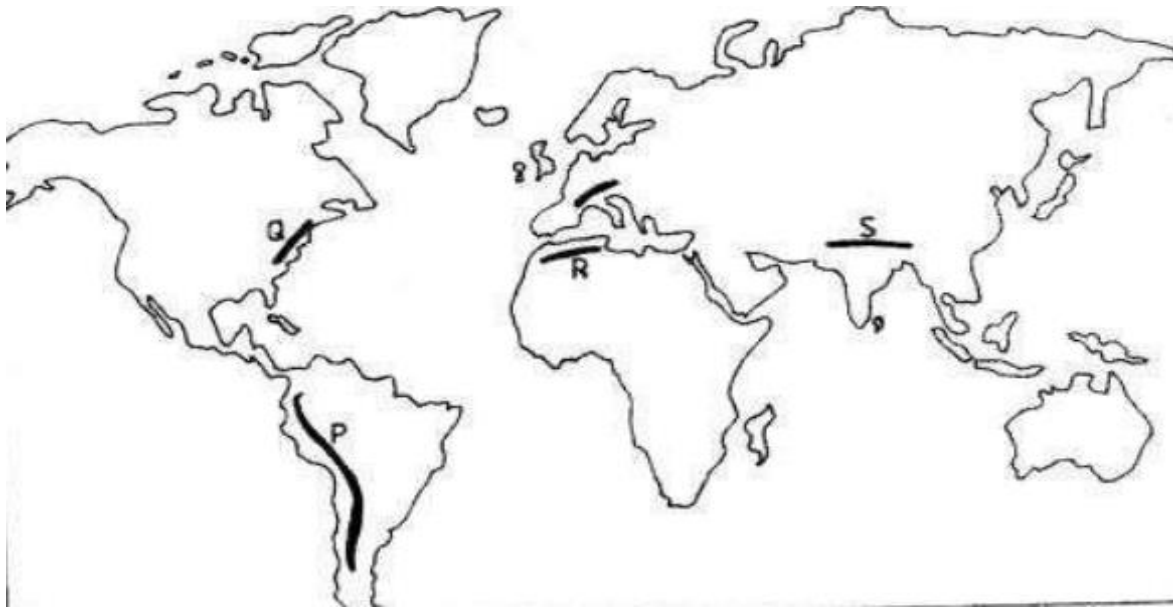
15. a) Discuss conditions that makes our planet habitable. /3marks

b) What is temperature inversion and in which layers of the atmosphere experience it? /3marks

c) Give and explain the spherical shape of the earth. /4marks

SECTION C: ANSWER ALL THE QUESTIONS / 15 MARKS

16) The map below shows the location of some mountain ranges:



- a) Name the range marked by P, Q, R and S / 4 marks
b) Apart from fold mountains, name three other features resulting from folding. / 3 marks

17. Some countries in Africa are characterized by improvement of their habitat



- a) Name the type of habitat shown on this photograph. /1mark.
b) Enumerate four advantages of people living in this area. / 4 marks
c) Identify three problems of the population living in this area. / 3 marks

!! **GOOD LUCK** !!!