**312/1**

**GEOGRAPHY**

**Paper 1**

**JUNE 2018**

**Time: 2¾ hours**

**KASSU-JET JOINT EXAMINATION**

**Kenya Certificate of Secondary Education**

**312/1**

**Paper 1**

**GEOGRAPHY**

**INSTRUCTIONS TO STUDENTS**

* *This paper has* ***two*** *sections* ***A*** *and* ***B***
* *Answer* ***ALL*** *the questions in section* ***A****. In section* ***B*** *answer questions* ***6*** *and any other* ***TWO*** *questions.*

**SECTION A**

*Answer* ***all*** *the questions in this section.*

1. (a) Define the term geography (2 marks)

(b) State ***three*** importance of studying practical geography. (3 marks)

2. (a) Study the figure below and use it to answer the questions that follow.



(i) Identify the type of fault shown above in the diagram (1 mark)

(ii) Describe how the figure shown in 2(a)(i) above is formed. (4 marks)

3. The below shows an underground feature use it to answer the questions that follow.



**N**

**M**

**N**

(a) Identify the parts marked **M** and **N**. (2 marks)

(b) Describe how an uvala is formed (3 marks)

4. (a) State ***two*** processes through which glacier moves. (2 marks)

(b) Describe the process of ice formation. (3 marks)

5. Describe how Lake Chala was formed. (5 marks)

**SECTION B**

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

6. Study the map of KITALE (sheet 75/3) provided and answer the questions that follow.

(a) Measure the distance of the loose surface road C638 from the grid reference 400137 to the grid reference 472100 (give your answer in kilometers) (2 marks)

(b) Citing evidence from the map identify the social services in the area covered by the map. (5 marks)

(c) Describe the distribution of settlement in Kitale. (5 marks)

(d) Enlarge the area coverered by the map between the Easting 35 to Easting 39 and between Northing 29 and Northing 33 by two. (2 marks)

On the enlarged map mark and name;

(i) West pokot county (1 mark)

(ii) A forest (1 mark)

(iii) A dam (1 mark)

(iv) Give the scale of the enlarged map. (2 marks)

(e) Citing evidence, explain ***three*** factors favouring trading in the area covered by the map. (6 marks)

7. (a) What is volcanicity? (2 marks)

(b) State ***four*** differences between basic lava and acidic lava. (4 marks)

(c) Describe how the following features are formed:

(i) Hot Springs. (6 marks)

(ii) Plug Dome Volcano. (5 marks)

(iii) Explain ***four*** negative effects of vulcanicity to human activities. (8 marks)

8. (a) What is a river capture? (2 marks)

(b) (i) Give ***three*** factors influencing the development of a drainage pattern. (3 marks)

(ii) Explain ***three*** factors which influence a rivers ability to transport materials. (6 marks)

(c) Describe how alluvial fan is formed using a well labeled diagram. (6 marks)

(d) You are required to carry out a field study on erosion in a youthful river near your school.

(i) Identify ***two*** features you are likely to study (2 marks)

(ii) State ***three*** activities you would carry out to determine why erosion occur at this stage (3 marks)

(iii) Identify ***three*** objectives of your study. (3marks)

9. (a) State ***three*** characteristics of a fiord. (3 marks)

(b) Give ***four*** factors of coastal erosion. (4 marks)

(c) Describe how the following features are formed:

(i) A Wave-Cut Platform (6 marks)

(ii) A cuspate foreland (4 marks)

(d) Explain ***four*** significance of the Indian Ocean to the human activities. (8 marks)

10. (a) (i) Name any ***two*** types of desert surfaces (2 marks)

(ii) The diagram below represent features resulting from wind erosion in a desert. Use it to answer question a (ii)



**Y**

**X**

Name the features marked **X** and **Y.** (2 marks)

(b) Using a well labeled diagram how a butte is formed (5 marks)

(i) State ***four*** physical causes of aridity. (4 marks)

(ii) Explain ***three*** negative effects of climate change on agriculture. (6 marks)

(c) Explain ***three*** significance of desert landscape to human activities. (6 marks)