

312/1
GEOGRAPHY
Paper 1
July 2018
Time: 2³/₄ Hours

FORM 4 END OF TERM 2 EXAM

GEOGRAPHY
Paper 1
July 2018
Time: 2³/₄ Hours

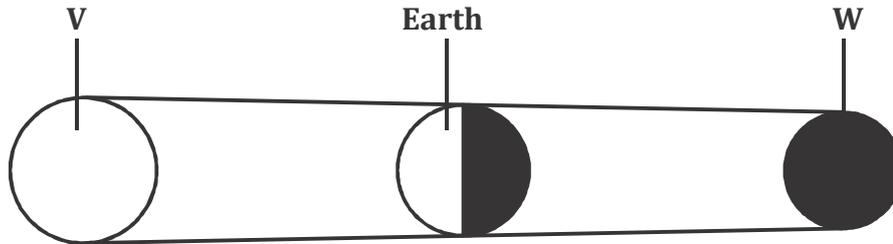
INSTRUCTIONS TO CANDIDATES

- * This paper consists of two sections; A and B
- * Answer **all** questions in section A
- * In section B answer question **6** and any other **two** questions.
- * All answers must be written in the answer booklet provided.
- * Candidates should answer the questions in English.

SECTION A

Answer All questions in this section.

1. a. Name the two layers of discontinuity that make up the interior structure of the earth. (2 marks)
- b. State three characteristics of the outer core in the interior structure of the earth. (3 marks)
2. a. The diagram below shows an eclipse.

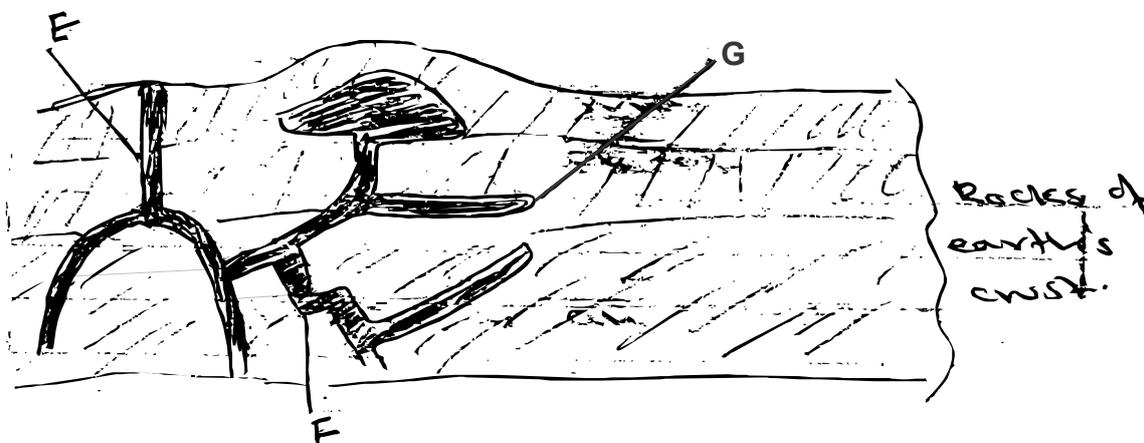


- Name the features marked V and W. (2 marks)
- b. State four proofs that the shape of the earth is spherical. (4 marks)
3. a. Give three causes of earthquakes. (3 marks)
- b. Name two major earthquake zones. (2 marks)
4. a. What is weathering? (2 marks)
- b. State three factors that influence the rate of weathering. (3 marks)
5. a. What is land breeze? (2 marks)
- b. Give two ways in which sea breezes influence the adjacent land. (2 marks)

SECTION B : ANSWER QUESTION 6 AND ANY OTHER TWO.

6. Study the map of OYUGIS 1 : 50, 000 provided and answer the following questions.
 - a. i. Calculate the longitudinal extent of the area covered by the map. (2 marks)
 - ii. State three types of vegetation found in the area covered by the map. (3 marks)
 - b. Citing evidence from the map, state three economic activities taking place in the area covered by the map. (3 marks)
 - c. i. List down four proofs indicating that the area receives high rainfall. (4 marks)
 - ii. Measure the length of all weather road bound surface from grid reference 918418 to 930360. State your answer in Kilometers and Meters. (2 marks)

- d. i. Describe the drainage of the area covered by the map. (4 marks)
 ii. Using a scale of 1 Cm to represent 50 meters draw a cross-section from Easting 77 to Easting 84 along Northing 25 on it mark.
- i. A slope (1 mark)
 ii. All weather road loose surface (1 mark)
 iii. A hill. (1 mark)
- iv. Calculate the vertical exaggeration of the cross section. (1 mark)
7. a. i. Give three reasons why weather forecasting is important. (3 marks)
 ii. State three conditions that lead to fog formation. (3 marks)
- b. Explain how the following factors influence climate. (6 marks)
 i. Aspect
 ii. Altitude
 iii. Distance from the sea.
- c. Using a well labeled diagram, describe the formation of orographic rainfall. (6 marks)
- d. i. State three advantages of studying weather through fieldwork. (3 marks)
 Students from Kamoshi Secondary conducted a field study on weather in a weather station.
 ii. Formulate a suitable hypothesis they could have used for the study. (1 mark)
 iii. State three follow - up activities they would carry out after the study. (3 marks)
8. a. Differentiate between magma and lava. (2 marks)
 b. The diagram below show some intrusive volcanic features.

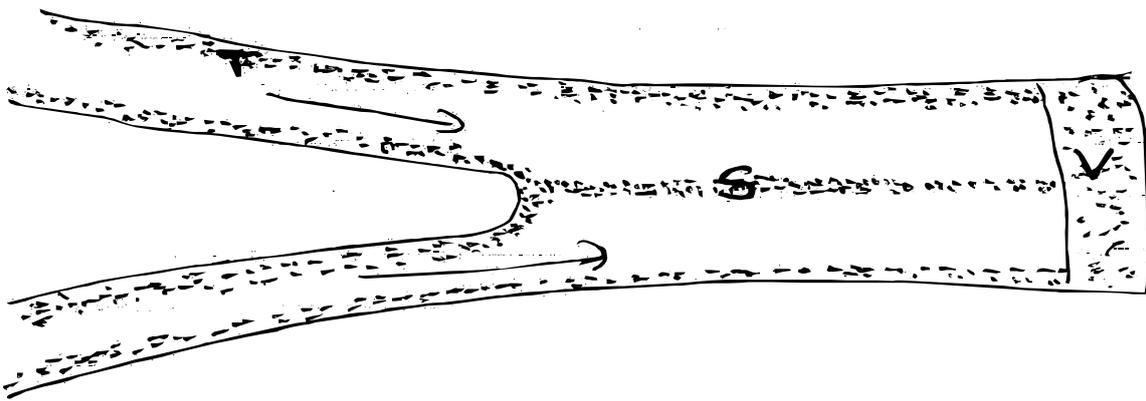


- Name the features marked E, F and G. (3 marks)
- c. Describe how the following features are formed and for each give an example from Kenya.
 i. A crater. (3 marks)
 ii. A geyser. (5 marks)
 iii. A lava plateau (4 marks)
- d. Explain four ways in which volcanic features influence human activities. (8 marks)
9. a. i. What is an ice sheet? (2 marks)
 ii. Give two reasons why there are no ice sheets in Kenya. (2 marks)
 iii. Explain three factors that influence the movement of ice from the place of accumulation. (6 marks)

b. Describe how an arête is formed.

(4 marks)

c. The diagram below shows types of moraines in a valley glacier.



i. Name the type of moraines marked S, T and V.

(3 marks)

ii. Explain four positive effects of glaciations in lowland areas.

(8 marks)

10. a. State two factors that influence transportation of materials from along the coast.

(2 marks)

b. i. Explain three factors that cause movement of ocean waters.

(6 marks)

ii. With the aid of a well labeled diagram, describe the formation of wave cut platform. (8 marks)

c. i. State two causes of coastal submergence.

(2 marks)

ii. Name two types of sub merged upland coasts.

(2 marks)

iii. State five benefits of coastal landforms.

(5 marks)