

NAME:.....CLASS:.....ADM NO:.....

312/1

GEOGRAPHY

PAPER 1

FORM 3

END OF YEAR EXAM - 2019

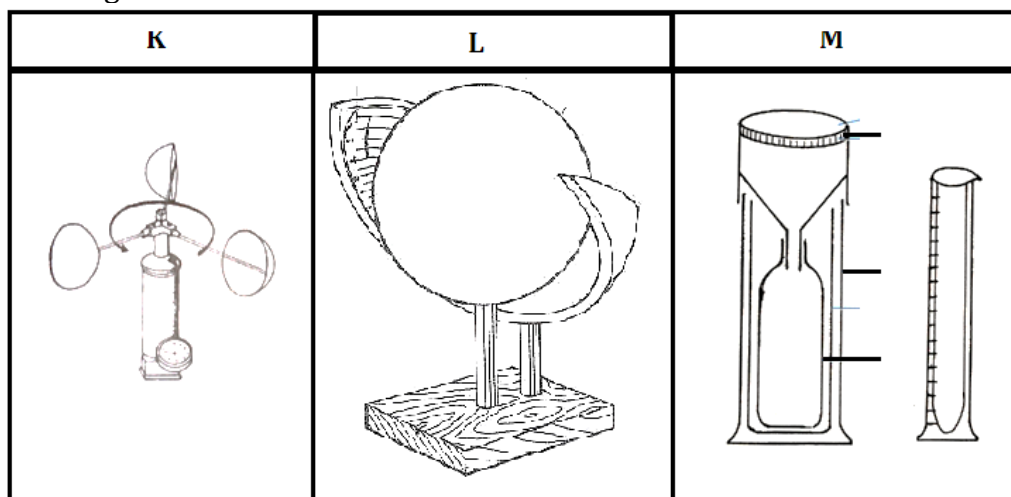
TIME: 2³/₄ HOURS

INSTRUCTIONS

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

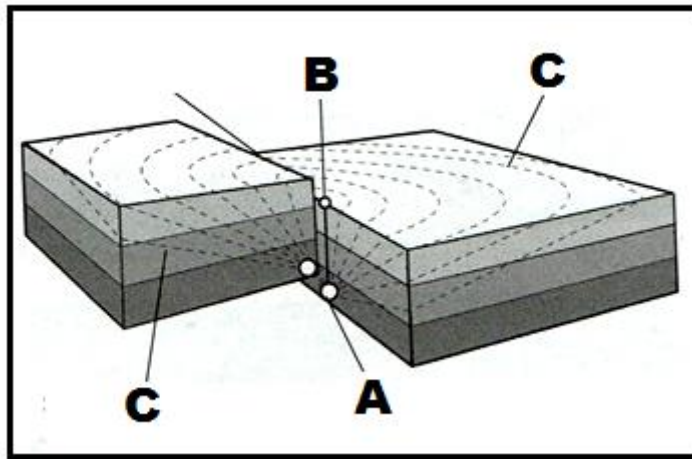
SECTION A

1. The diagram below shows some weather station instruments.



- (a) Identify the instruments marked K, L and M. (3 marks)
- (b) Outline **two** modern methods of weather forecasting. (2 marks)
2. (a) Give the **two** main movements of the earth. (2 marks)
- (b) State **three** reasons why the interior of the earth is very hot. (3 marks)

3. The diagram below show the occurrence of an earthquake

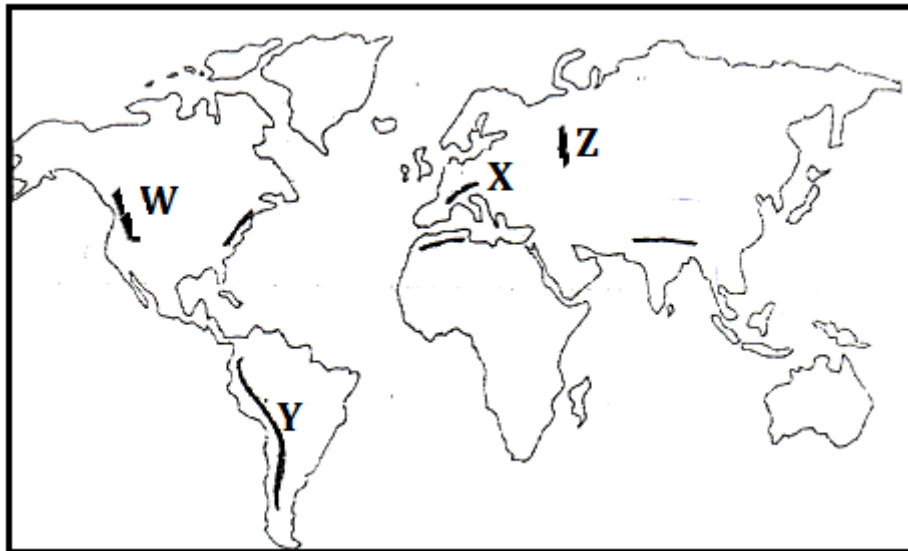


- (a) Name the parts marked A, B and C (3marks)
 (b) List **two** scales used to measure the magnitude of an earthquake. (2 marks)
4. State **five** characteristics of coniferous forests. (5 marks)
5. (a) What is soil catena? (2 marks)
 (b) State **three** factors that influence soil colour. (3 marks)

SECTION B

6. Study the map of Oyugis (1:50, 000, sheet 130/1) provided and use it to answer the following questions.
- (a) (i) Identify **two** relief features at grid square 7342. (2 marks)
 (ii) Measure the distance of road E 212 from its junction with road C 18 to the junction at grid square 7542. Give your answer in kilometres. (2 marks)
 (iii) Determine the six figure grid reference of Kitweru School. (2 marks)
- (b) (i) What is the vertical interval of the map? (1 mark)
 (ii) Determine the bearing of a jaggery factory at grid reference 788237 from a church at grid reference 806188. (2 marks)
- (c) (i) Draw a square 10cm by 10cm to represent the region east of easting 85 from northing 30 to northing 40. On the square, mark and name.
 ➤ Koderu forest.
 ➤ Oriang' hill
 ➤ A district boundary.
 ➤ All weather road-bound surface.
 ➤ A seasonal swamp (6 marks)
- (ii) What is the scale of the sketch that you have drawn? (1 mark)
- (d) (i) Citing evidence from the map, identify **four** crops grown in the area covered by the map. (4 marks)

- (ii) Describe the distribution of settlement in the area covered by the map. (5 marks)
7. (a) (i) What is a mineral? (2 marks)
- (ii) Give **three** ways used to classify rocks. (3 marks)
- (b) (i) Describe how igneous rocks are formed. (5 marks)
- (ii) List **three** examples of mechanically formed sedimentary rocks. (3 marks)
- (c) Explain **three** types of rock metamorphism. (6 marks)
- (c) Suppose you were to carry out a field study on rocks in the area surrounding your school
- (i) State **three** characteristics that you would look for while identifying different rock types (3marks)
- (ii) State **three** follow up activities for the field study. (3marks)
8. (a) (i) Differentiate between faulting and folding. (2 marks)
- (ii) Name **five** features formed as a result of faulting. (5 marks)
- (b) The world map below shows the location of some fold mountains. Use it to answer question (a) (i)



- (i) Identify the fold mountains marked W, X, Y and Z (4marks)
- (ii) Citing relevant examples, explain how Fold Mountains were formed according to the plate tectonics theory. (6 marks)

- (c) Explain the effects of Fold Mountains on the following
- (i) Transport. (2 marks)
 - (ii) Agriculture. (2 marks)
 - (iii) Tourism. (2 marks)
 - (iv) Mining. (2 marks)
9. (a) Give **three** examples of West coast deserts. (3 marks)
- (b) (i) Apart from rock pedestals, name four other features formed due to wind erosion in arid regions. (4 marks)
- (ii) With the aid of well labelled diagrams, describe how a rock pedestal is formed. (7 marks)
- (c) Explain **four** factors that influence the rate of wind transport. (8 marks)
- (d) State **three** negative influence of desert features. (3 marks)
10. (a) (i) What is a lake? (2marks)
- (ii) Give **three** processes that lead to formation of Lakes. (3marks)
- (b) Describe how Lake Victoria was formed (6marks)
- (c) Explain **three** factors why some Lakes in the Rift Valley in Kenya are saline. (6marks)
- (d) Explain **four** ways in which lakes influence the climate of the surrounding areas. (8marks)