

312/1

GEOGRAPHY

Paper 1

March 2014

Time: 2¾ Hours

Form 4 Mini-Mock Examination 2014

GEOGRAPHY PAPER 1

2¾ Hours

INSTRUCTIONS

- This paper has two sections A and B.
- Answer all the questions in section A.
- In section B, answer question 6 and any other two questions.
- Answer section A and each question attempted in section B on a separate answer sheet.
- Failure to follow instructions will be penalized.

SECTION A

Answer all questions in this section

- 1(a) Name two branches of Geography. {2
marks}
- b) State relationship between Geography and History. {2
marks}
- c) Name two significant of studying Geography. {2
marks}
- 2(a) Give three factors responsible for the spherical shape of the earth. {3
marks}
- b) List two effects of the earth revolution. {2
marks}

- 3(a) i) What are earth movement? {1
mark}
- ii) Differentiate between epeirogenic and orogenic earth movement. {2
marks}
- b) Give two factors determining the landforms formed after earth movement take place. {2
marks}

4(a) Draw a simple diagram showing the hydrological cycle {3
marks}

b) Name two output processes involved in the hydrological cycle. {2
marks}

5(a) i) State two factors that determine the size of a lake. {2
marks}

ii) Name two types of lakes formed by earth movements. {1
mark}

b) Give the reason for the salinity of the Rift Valley Lakes. {2
marks}

6. Study the map of kitale (1:50,000, sheet 75/3) provided and answer the questions that follow.

a) (i) Give the six figure grid reference for the trigonometrical station to the north of the water tower in the area covered by the map. {1
mark}

(ii) Give the longitudinal extent of the area covered by the map. {2
marks}

(iii) Calculate the area of kitale municipality. Give your answer in square kilometres. {2
marks}

b) Draw a square 12cm by 12cm to represent the area enclosed by eastings 25 and 37 and northings 33 and 21. {1
mark}

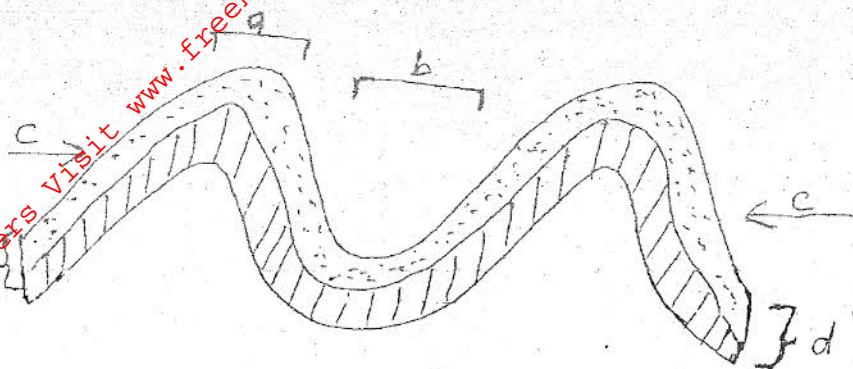
On the square mark and name the following;

- (i) All weather Road loose surface
(ii) Dry weather Road C637
(iii) District Boundary
(iv) Water Hole (4 marks)
- c) Describe the relief of the area covered by the map. (6 marks)
- d) Using evidence from the map, identify four economic activities taking place in the area covered by the map. (4 marks)
- e) Explain three factors which have influenced the drainage in the area covered by the map. (6 marks)

- 7(a) What is river catchment? (2 marks)
- b) State three conditions which lead to river rejuvenation. (3 marks)
- c) With the aid of diagrams, explain how river capture occurs. (8 marks)
- d) i) Describe four processes by which a river transports its load. (8 marks)
- ii) List four characteristics of a flood plain. (4 marks)

- 8(a) (i) What is folding? (1 mark)

The diagram below shows features formed as a result of folding. Use it to answer the questions below.



Name the parts marked a, b, c, d

(4

marks)

(ii) Differentiate between symmetrical fold and assymmetrical fold.

(2

marks)

(b) (i) Describe the stages in formation of fold mountains.

(6

marks)

(ii) Apart from fold mountains, name three other features formed through folding.

(3

marks)

(c) In which countries are the following fold mountains found?

Andes

Cape ranges

Alps

(3

marks)

(d) Explain three significance of folding to human activities.

(6

marks)

9(a) (i) Name three types of tides.

(3

marks)

(ii) Differentiate between constructive and destructive waves.

(2

marks)

(b) (i) State five conditions necessary for formation of a beach.

(4

marks)

(ii) Describe three processes involved in marine erosion.

(6

marks)

(c) (i) Name two types of submerged coasts.

(2

marks)

(ii) Name four resultant features of emerged coasts. (4 marks)

(d) Explain two significance of oceans, coasts and coastal features to human activities.

10)(a) i) What is glaciation? (1 mark)

ii) Name three types of glaciers. (3 marks)

iii) State two conditions necessary for the formation of a glacier in an area. (2 marks)

b) i) Explain how glacial erosion takes place by the following processes:-

➤ Plucking

➤ Abrasion

ii) State for factors that determine the rate of the glacial erosion. (4 marks)

c) i) Give three different between an outwash plain and a boulder clay plain. (3 marks)

ii) With the aid of a diagram, explain the formation of a drumlin. (3 marks)

d) Students from Ushindi School conducted a field study of a glaciated Highland.

i) State two objectives they may have formulated for their field study. (2 marks)

ii) Why did they need to do a sampling of the area? Give reasons. (2 marks)

iii) Name one erosional feature they may have found in the area. (1 mark)